

Start	18288	End	18884
GI	none	Score	151
Exons	18288..18359, 18423..18722, 18484..18705, 18756..18884, 18778..18876		

Seq. No.	921	Seq. ID	OJ990323_29.9A15.C6
Gene No.	1930	Strand	-
Start	29854	End	32783
Name	OJ990323_29.9A15.C6.o1.tc	Method	TBLASTX:Cress
Start	26286	End	26667
GI	none	Score	370
Exons	26286..26495, 26287..26496, 26610..26633, 26611..26667		

Seq. No.	921	Seq. ID	OJ990323_29.9A15.C6
Gene No.	1930	Strand	-
Start	29854	End	32783
Name	OJ990323_29.9A15.C6.o1.ts	Method	TBLASTX:Soybean
Start	26287	End	26496
GI	none	Score	337
Exons	26287..26496, 26287..26454, 26289..26492		

Seq. No.	921	Seq. ID	OJ990323_29.9A15.C6
Gene No.	1930	Strand	-
Start	29854	End	32783
Name	OJ990323_29.9A15.C6.o3.tm	Method	TBLASTX:Maize
Start	26287	End	26496
GI	none	Score	337
Exons	26287..26496, 26287..26454, 26289..26492		

Seq. No.	921	Seq. ID	OJ990323_29.9A15.C6
Gene No.	1930	Strand	-
Start	29854	End	32783
Name	OJ990323_29.9A15.C6.o9.np	Method	AAT/NAP
Start	29854	End	32783
GI	5734709	Score	116
Exons	29854..29881, 31883..32158, 32219..32372, 32492..32783		
GI Descrip.	(AC008075) Contains PF 00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	922	Seq. ID	OJ990323_29.9A15.C7
Gene No.	1931	Strand	+
Start	879	End	4275
Name	OJ990323_29.9A15.C7.o1.gs	Method	GENSCAN
Start	879	End	4275
GI	none	Score	.96
Exons	879..973, 3682..3820, 3895..4275		

Seq. No.	922	Seq. ID	OJ990323_29.9A15.C7
Gene No.	1932	Strand	-
Start	1109	End	2905
Name	OJ990323_29.9A15.C7.o1.gp	Method	AAT/GAP
Start	1109	End	2905
GI	none	Score	994
Exons	1109..1448, 2197..2308, 2808..2905		

Seq. No.	922	Seq. ID	OJ990323_29.9A15.C7
Gene No.	1933	Strand	-

Start 2970
 Name OJ990323_29.9A15.C7.o2.gp
 Start 2970
 GI 3761538
 Exons 2970..3428

End 3428
 Method AAT/GAP
 End 3428
 Score 902

Seq. No. 922
 Gene No. 1934
 Start 3522
 Name OJ990323_29.9A15.C7.o3.gp
 Start 3522
 GI none
 Exons 3522..3553, 3593..3660, 3767..4190

Seq. ID OJ990323_29.9A15.C7
 Strand -
 End 4190
 Method AAT/GAP
 End 4190
 Score 800

Seq. No. 922
 Gene No. 1935
 Start 4730
 Name OJ990323_29.9A15.C7.o2.gs
 Start 4730
 GI none
 Exons 4730..5230

Seq. ID OJ990323_29.9A15.C7
 Strand -
 End 5230
 Method GENSCAN
 End 5230
 Score .77

Seq. No. 922
 Gene No. 1935
 Start 4730
 Name OJ990323_29.9A15.C7.o1.np
 Start 4835
 GI 3746060
 Exons 4835..5160
 GI Descrip. (AC005311) unknown protein [Arabidopsis thaliana]

Seq. ID OJ990323_29.9A15.C7
 Strand -
 End 5230
 Method AAT/NAP
 End 5160
 Score 285

Seq. No. 922
 Gene No. 1935
 Start 4730
 Name OJ990323_29.9A15.C7.o1.ts
 Start 4937
 GI none
 Exons 4937..5155, 4953..5159

Seq. ID OJ990323_29.9A15.C7
 Strand -
 End 5230
 Method TBLASTX:Soybean
 End 5159
 Score 143

Seq. No. 922
 Gene No. 1935
 Start 4730
 Name OJ990323_29.9A15.C7.o1.tc
 Start 4940
 GI none
 Exons 4940..5155, 4953..5159

Seq. ID OJ990323_29.9A15.C7
 Strand -
 End 5230
 Method TBLASTX:Cress
 End 5159
 Score 125

Seq. No. 922
 Gene No. 1935
 Start 4730
 Name OJ990323_29.9A15.C7.o1.tm
 Start 4940
 GI none
 Exons 4940..5116, 4944..5114

Seq. ID OJ990323_29.9A15.C7
 Strand -
 End 5230
 Method TBLASTX:Maize
 End 5116
 Score 126

Seq. No. 923
 Gene No. 1936

Seq. ID OJ990323_29.9A15.C8
 Strand +

Start	1583	End	3414
Name	OJ990323_29.9A15.C8.o1.gs	Method	GENSCAN
Start	1583	End	3414
GI	none	Score	.61
Exons	1583..1777, 2679..3098, 3301..3414		

Seq. No.	923	Seq. ID	OJ990323_29.9A15.C8
Gene No.	1937	Strand	+
Start	5643	End	6475
Name	OJ990323_29.9A15.C8.o3.gs	Method	GENSCAN
Start	5643	End	6475
GI	none	Score	.43
Exons	5643..5699, 5978..6475		

Seq. No.	923	Seq. ID	OJ990323_29.9A15.C8
Gene No.	1937	Strand	+
Start	5643	End	6475
Name	OJ990323_29.9A15.C8.o1.np	Method	AAT/NAP
Start	6003	End	6450
GI	3643605	Score	213
Exons	6003..6450		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	923	Seq. ID	OJ990323_29.9A15.C8
Gene No.	1938	Strand	-
Start	4731	End	5290
Name	OJ990323_29.9A15.C8.o2.gs	Method	GENSCAN
Start	4731	End	5290
GI	none	Score	.96
Exons	4731..4831, 5092..5290		

Seq. No.	923	Seq. ID	OJ990323_29.9A15.C8
Gene No.	1939	Strand	
Start	6110	End	6303
Name	OJ990323_29.9A15.C8.o1.tc	Method	TBLASTX:Cress
Start	6110	End	6303
GI	none	Score	191
Exons	6110..6301, 6112..6303		

Seq. No.	924	Seq. ID	OJ990323_29.9A15.C9
Gene No.	1940	Strand	+
Start	2	End	1287
Name	OJ990323_29.9A15.C9.o1.gs	Method	GENSCAN
Start	2	End	1287
GI	none	Score	.49
Exons	2..25, 1012..1287		

Seq. No.	925	Seq. ID	OJ990323_29.9A15.C10
Gene No.	1941	Strand	-
Start	101	End	332
Name	OJ990323_29.9A15.C10.o1.gs	Method	GENSCAN
Start	101	End	332
GI	none	Score	.85
Exons	101..332		

Seq. No.	926	Seq. ID	OJ990323_29.9A15.C11
Gene No.	1942	Strand	+

Start 38
 Name OJ990323_29.9A15.C11.o1.gs
 Start 38
 GI none
 Exons 38..45, 122..260, 335..630

End 630
 Method GENSCAN
 End 630
 Score .74

Seq. No. 926
 Gene No. 1943
 Start 3
 Name OJ990323_29.9A15.C11.o1.gp
 Start 3
 GI none
 Exons 3..100, 207..630

Seq. ID OJ990323_29.9A15.C11
 Strand -
 End 630
 Method AAT/GAP
 End 630
 Score 798

Seq. No. 927
 Gene No. 1944
 Start 1
 Name OJ990323_29.9A15.C12.o1.np
 Start 1
 GI 1174654
 Exons 1..345

Seq. ID OJ990323_29.9A15.C12
 Strand -
 End 345
 Method AAT/NAP
 End 345
 Score 98

GI Descrip. TRIFOLITOXIN PROCESSING PROTEIN TFXB gi|420891|pir||B47116
 trifolitoxin synthesis protein TfxB - Rhizobium leguminosarum
 gi|347444 (L06719) precursor; putative [Rhizobium leguminosarum]

Seq. No. 928
 Gene No. 1945
 Start 32
 Name OJ990323_29.9A15.C13.o1.np
 Start 32
 GI 6598515
 Exons 32..130, 222..330

Seq. ID OJ990323_29.9A15.C13
 Strand -
 End 330
 Method AAT/NAP
 End 330
 Score 164

GI Descrip. (AC006081) hypothetical protein [Arabidopsis thaliana]

Seq. No. 928
 Gene No. 1945
 Start 32
 Name OJ990323_29.9A15.C13.o1.tm
 Start 84
 GI none
 Exons 84..131, 86..151, 90..131, 219..323, 219..323, 221..325

Seq. ID OJ990323_29.9A15.C13
 Strand -
 End 330
 Method TBLASTX:Maize
 End 325
 Score 53

Seq. No. 929
 Gene No. 1946
 Start 1
 Name OJ990323_20.9A03.C1.o1.np
 Start 1
 GI 2498930
 Exons 1..629

Seq. ID OJ990323_20.9A03.C1
 Strand -
 End 629
 Method AAT/NAP
 End 629
 Score 1080

GI Descrip. DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION
 PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]

Seq. No. 929
 Gene No. 1946
 Start 1
 Name OJ990323_20.9A03.C1.o1.gs
 Start 28

Seq. ID OJ990323_20.9A03.C1
 Strand -
 End 629
 Method GENSCAN
 End 567

GI	none	Score	.93
Exons	28..567		
Seq. No.	930	Seq. ID	OJ990323_20.9A03.C2
Gene No.	1947	Strand	-
Start	1	End	246
Name	OJ990323_20.9A03.C2.o1.np	Method	AAT/NAP
Start	1	End	246
GI	2498930	Score	55
Exons	1..19, 187..246		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	930	Seq. ID	OJ990323_20.9A03.C2
Gene No.	1948	Strand	-
Start	187	End	246
Name	OJ990323_20.9A03.C2.o1.gs	Method	GENSCAN
Start	187	End	246
GI	none	Score	.94
Exons	187..246		
Seq. No.	931	Seq. ID	OJ990323_20.9A03.C4
Gene No.	1949	Strand	+
Start	420	End	745
Name	OJ990323_20.9A03.C4.o1.gs	Method	GENSCAN
Start	420	End	745
GI	none	Score	.93
Exons	420..745		
Seq. No.	932	Seq. ID	OJ990323_20.9A03.C5
Gene No.	1950	Strand	+
Start	4503	End	6064
Name	OJ990323_20.9A03.C5.o2.gs	Method	GENSCAN
Start	4503	End	6064
GI	none	Score	.98
Exons	4503..5347, 5422..6064		
Seq. No.	932	Seq. ID	OJ990323_20.9A03.C5
Gene No.	1950	Strand	+
Start	4503	End	6064
Name	OJ990323_20.9A03.C5.o1.np	Method	AAT/NAP
Start	4776	End	6058
GI	4586055	Score	995
Exons	4776..5347, 5422..6058		
GI Descrip.	(AC007020) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	932	Seq. ID	OJ990323_20.9A03.C5
Gene No.	1951	Strand	+
Start	12496	End	12618
Name	OJ990323_20.9A03.C5.o2.gp	Method	AAT/GAP
Start	12496	End	12618
GI	2800190	Score	180
Exons	12496..12618		
Seq. No.	932	Seq. ID	OJ990323_20.9A03.C5
Gene No.	1952	Strand	-
Start	7300	End	16986

Name	OJ990323_20.9A03.C5.o2.tc	Method	TBLASTX:Cress
Start	5162	End	5617
GI	none	Score	191
Exons	5162..5347, 5163..5351, 5419..5601, 5420..5617		

Seq. No.	932	Seq. ID	OJ990323_20.9A03.C5
Gene No.	1952	Strand	-
Start	7300	End	16986
Name	OJ990323_20.9A03.C5.o1.tm	Method	TBLASTX:Maize
Start	5280	End	5839
GI	none	Score	83
Exons	5280..5348, 5288..5350, 5419..5610, 5420..5617, 5623..5832, 5630..5839		

Seq. No.	932	Seq. ID	OJ990323_20.9A03.C5
Gene No.	1952	Strand	-
Start	7300	End	16986
Name	OJ990323_20.9A03.C5.o1.tc	Method	TBLASTX:Cress
Start	5758	End	6055
GI	none	Score	344
Exons	5758..5985, 5759..6055		

Seq. No.	932	Seq. ID	OJ990323_20.9A03.C5
Gene No.	1952	Strand	-
Start	7300	End	16986
Name	OJ990323_20.9A03.C5.o1.ts	Method	TBLASTX:Soybean
Start	5869	End	6061
GI	none	Score	239
Exons	5869..5985, 5870..6055, 5978..6061		

Seq. No.	932	Seq. ID	OJ990323_20.9A03.C5
Gene No.	1952	Strand	-
Start	7300	End	16986
Name	OJ990323_20.9A03.C5.o3.gs	Method	GENSCAN
Start	7300	End	16986
GI	none	Score	.67
Exons	7300..7323, 7579..7656, 8088..8177, 8246..8360, 9086..9216, 9294..9569, 10724..10890, 10945..11079, 11535..12015, 12355..12606, 12688..12841, 13008..13377, 16063..16224, 16332..16412, 16483..16849, 16930..16986		

Seq. No.	932	Seq. ID	OJ990323_20.9A03.C5
Gene No.	1952	Strand	-
Start	7300	End	16986
Name	OJ990323_20.9A03.C5.o2.np	Method	AAT/NAP
Start	10583	End	12886
GI	1546704	Score	140
Exons	10583..10619, 12471..12606, 12688..12886		
GI Descrip.	(X98854) peroxidase ATP7a [Arabidopsis thaliana]		

Seq. No.	932	Seq. ID	OJ990323_20.9A03.C5
Gene No.	1952	Strand	-
Start	7300	End	16986
Name	OJ990323_20.9A03.C5.o1.gp	Method	AAT/GAP
Start	10729	End	11763
GI	none	Score	907
Exons	10729..10860, 10945..11079, 11535..11763		

Seq. No.	932	Seq. ID	OJ990323_20.9A03.C5
Gene No.	1952	Strand	-
Start	7300	End	16986
Name	OJ990323_20.9A03.C5.o1.tw	Method	TBLASTX:Wheat
Start	12487	End	12849
GI	none	Score	124
Exons	12487..12621, 12488..12622, 12686..12745, 12687..12746, 12688..12750, 12688..12747, 12741..12812, 12741..12848, 12751..12849		
Seq. No.	933	Seq. ID	OJ990323_20.9A03.C6
Gene No.	1953	Strand	+
Start	7204	End	20978
Name	OJ990323_20.9A03.C6.o4.gs	Method	GENSCAN
Start	7204	End	17050
GI	none	Score	.66
Exons	7204..7273, 7988..8018, 8346..8394, 8602..8808, 10585..10637, 11125..11191, 11695..11773, 12070..12198, 13185..13390, 14306..14660, 15772..15906, 16929..17050		
Seq. No.	933	Seq. ID	OJ990323_20.9A03.C6
Gene No.	1953	Strand	+
Start	7204	End	20978
Name	OJ990323_20.9A03.C6.o2.gp	Method	AAT/GAP
Start	12637	End	12802
GI	23897_1.R1084	Score	227
Exons	12637..12802		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 5.0e-58 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		
Seq. No.	933	Seq. ID	OJ990323_20.9A03.C6
Gene No.	1953	Strand	+
Start	7204	End	20978
Name	OJ990323_20.9A03.C6.o3.gp	Method	AAT/GAP
Start	12984	End	14527
GI	23880_2.R1084	Score	834
Exons	12984..13091, 13185..13390, 14306..14527		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	933	Seq. ID	OJ990323_20.9A03.C6
Gene No.	1953	Strand	+
Start	7204	End	20978
Name	OJ990323_20.9A03.C6.o2.np	Method	AAT/NAP
Start	14618	End	20978
GI	6166392	Score	150
Exons	14618..14660, 15772..15906, 16049..16099, 16383..16455, 20927..20978		
GI Descrip.	(AF169803) flavohemoprotein b5+b5R [Homo sapiens]		
Seq. No.	933	Seq. ID	OJ990323_20.9A03.C6
Gene No.	1953	Strand	+
Start	7204	End	20978
Name	OJ990323_20.9A03.C6.o4.gp	Method	AAT/GAP
Start	15829	End	16820
GI	3762892	Score	1036

Exons 15829..15906, 16049..16099, 16383..16820
 GI Descrip. 3881161/emb|CAA21721.1| 5.0e-10 (AL032654) similar to
 Heme-binding domain in cytochrome b5 and oxidoreductases
 [Caenorhabditis elegans]

Seq. No.	933	Seq. ID	OJ990323_20.9A03.C6
Gene No.	1953	Strand	+
Start	7204	End	20978
Name	OJ990323_20.9A03.C6.o5.gs	Method	GENSCAN
Start	17985	End	19217
GI	none	Score	.52
Exons	17985..18111, 19078..19217		

Seq. No.	933	Seq. ID	OJ990323_20.9A03.C6
Gene No.	1954	Strand	+
Start	22724	End	23087
Name	OJ990323_20.9A03.C6.o5.gp	Method	AAT/GAP
Start	22724	End	23087
GI	4107129	Score	639
Exons	22724..23087		
GI Descrip.	1330273/dbj D85055 RICSINE11 2.0e-18 Rice retroposon p-SINE1-r31 gene		

Seq. No.	933	Seq. ID	OJ990323_20.9A03.C6
Gene No.	1955	Strand	-
Start	1	End	11455
Name	OJ990323_20.9A03.C6.o1.np	Method	AAT/NAP
Start	1	End	11455
GI	6721516	Score	366
Exons	1..18, 5174..5342, 10728..10804, 11215..11455		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	933	Seq. ID	OJ990323_20.9A03.C6
Gene No.	1955	Strand	-
Start	1	End	11455
Name	OJ990323_20.9A03.C6.o1.gp	Method	AAT/GAP
Start	2531	End	7320
GI	none	Score	835
Exons	2531..2741, 6488..6534, 6910..7019, 7232..7320		

Seq. No.	933	Seq. ID	OJ990323_20.9A03.C6
Gene No.	1955	Strand	-
Start	1	End	11455
Name	OJ990323_20.9A03.C6.o2.gs	Method	GENSCAN
Start	2622	End	2805
GI	none	Score	.56
Exons	2622..2741, 2797..2805		

Seq. No.	933	Seq. ID	OJ990323_20.9A03.C6
Gene No.	1955	Strand	-
Start	1	End	11455
Name	OJ990323_20.9A03.C6.o3.gs	Method	GENSCAN
Start	4425	End	5555
GI	none	Score	.75
Exons	4425..4944, 5206..5555		

Seq. No.	933	Seq. ID	OJ990323_20.9A03.C6
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Gene No.	1956	Strand	-
Start	20002	End	21687
Name	OJ990323_20.9A03.C6.o1.tm	Method	TBLASTX:Maize
Start	9727	End	10428
GI	none	Score	81
Exons	9727..9885, 9728..9871, 9740..9952, 9758..9940, 9760..9882, 9761..9916, 9761..9913, 9778..9960, 9783..9971, 9866..9967, 9867..9971, 9966..10091, 9968..10111, 9970..10032, 9972..10091, 9977..10147, 9981..10097, 9981..10115, 10006..10098, 10013..10099, 10013..10147, 10013..10096, 10107..10229, 10129..10239, 10130..10240, 10143..10238, 10154..10234, 10159..10248, 10174..10260, 10174..10248, 10181..10240, 10238..10270, 10320..10394, 10320..10394, 10321..10395, 10321..10428, 10324..10395, 10325..10393, 10332..10394		

Seq. No.	933	Seq. ID	OJ990323_20.9A03.C6
Gene No.	1956	Strand	-
Start	20002	End	21687
Name	OJ990323_20.9A03.C6.o2.tm	Method	TBLASTX:Maize
Start	14568	End	16268
GI	none	Score	70
Exons	14568..14654, 14575..14661, 14586..14654, 14597..14662, 15772..15795, 15779..15907, 15780..15908, 15844..15915, 16025..16117, 16042..16122, 16043..16147, 16197..16268		

Seq. No.	933	Seq. ID	OJ990323_20.9A03.C6
Gene No.	1956	Strand	-
Start	20002	End	21687
Name	OJ990323_20.9A03.C6.o6.gs	Method	GENSCAN
Start	20002	End	21687
GI	none	Score	.58
Exons	20002..20247, 21101..21247, 21313..21452, 21547..21687		

Seq. No.	934	Seq. ID	OJ990323_20.9A03.C7
Gene No.	1957	Strand	+
Start	134	End	981
Name	OJ990323_20.9A03.C7.o1.tw	Method	TBLASTX:Wheat
Start	35	End	424
GI	none	Score	117
Exons	35..163, 46..126, 203..424, 205..402, 215..424		

Seq. No.	934	Seq. ID	OJ990323_20.9A03.C7
Gene No.	1957	Strand	+
Start	134	End	981
Name	OJ990323_20.9A03.C7.o1.np	Method	AAT/NAP
Start	134	End	981
GI	6630696	Score	1289
Exons	134..981		

GI Descrip. (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No.	934	Seq. ID	OJ990323_20.9A03.C7
Gene No.	1957	Strand	+
Start	134	End	981
Name	OJ990323_20.9A03.C7.o1.tm	Method	TBLASTX:Maize
Start	200	End	484

GI none
Exons 200..484, 223..399

Score 270

Seq. No. 935
Gene No. 1958
Start 1
Name OJ990323_20.9A03.C8.o1.np
Start 1
GI 6630696
Exons 1..2704

Seq. ID OJ990323_20.9A03.C8
Strand +
End 11204
Method AAT/NAP
End 2704
Score 4216

GI Descrip. (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No. 935
Gene No. 1958
Start 1
Name OJ990323_20.9A03.C8.o1.gs
Start 144
GI none
Exons 144..1221, 1268..1359, 1496..2657, 3204..3226, 3685..3810, 3853..4025, 6501..6599, 6703..7649, 8707..8885, 9143..9402, 9563..9688, 9893..10046, 10326..10493

Seq. ID OJ990323_20.9A03.C8
Strand +
End 11204
Method GENSCAN
End 10493
Score .69

Seq. No. 935
Gene No. 1958
Start 1
Name OJ990323_20.9A03.C8.o2.np
Start 8788
GI 3021283
Exons 8788..8885, 9143..9356, 9451..9688, 9893..10046, 10215..10424, 11106..11204

Seq. ID OJ990323_20.9A03.C8
Strand +
End 11204
Method AAT/NAP
End 11204
Score 673

GI Descrip. (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]

Seq. No. 935
Gene No. 1959
Start 11762
Name OJ990323_20.9A03.C8.o6.ts
Start 87
GI none
Exons 87..236, 219..461

Seq. ID OJ990323_20.9A03.C8
Strand +
End 14296
Method TBLASTX:Soybean
End 461
Score 77

Seq. No. 935
Gene No. 1959
Start 11762
Name OJ990323_20.9A03.C8.o5.tm
Start 225
GI none
Exons 225..689, 506..616

Seq. ID OJ990323_20.9A03.C8
Strand +
End 14296
Method TBLASTX:Maize
End 689
Score 297

Seq. No. 935
Gene No. 1959
Start 11762
Name OJ990323_20.9A03.C8.o6.tw
Start 332
GI none

Seq. ID OJ990323_20.9A03.C8
Strand +
End 14296
Method TBLASTX:Wheat
End 524
Score 260

Exons 332..523, 333..524, 333..524

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o3.ts	Method	TBLASTX:Soybean
Start	477	End	875
GI	none	Score	201
Exons	477..698, 479..697, 702..875		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o1.tw	Method	TBLASTX:Wheat
Start	525	End	1284
GI	none	Score	801
Exons	525..1214, 533..1030, 747..1076, 799..1161, 1097..1213, 1212..1280, 1213..1284		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o2.ts	Method	TBLASTX:Soybean
Start	1219	End	1669
GI	5509260	Score	142
Exons	1219..1395, 1299..1379, 1412..1669		
GI Descrip.	-		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o2.tc	Method	TBLASTX:Cress
Start	1297	End	1558
GI	none	Score	130
Exons	1297..1395, 1299..1385, 1406..1558		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o4.tm	Method	TBLASTX:Maize
Start	1339	End	1804
GI	none	Score	49
Exons	1339..1389, 1352..1387, 1406..1804, 1493..1555, 1591..1701		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o4.tw	Method	TBLASTX:Wheat
Start	1339	End	1885
GI	none	Score	52
Exons	1339..1389, 1412..1684, 1676..1885, 1753..1857		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o4.ts	Method	TBLASTX:Soybean
Start	1738	End	2089

GI	none	Score	142
Exons	1738..1866, 1739..1897, 1900..2085, 1901..2086, 1907..2089		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o2.tm	Method	TBLASTX:Maize
Start	1889	End	2236
GI	none	Score	324
Exons	1889..2236, 1903..2235		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o2.tw	Method	TBLASTX:Wheat
Start	2093	End	2566
GI	none	Score	110
Exons	2093..2173, 2094..2162, 2098..2181, 2098..2166, 2182..2361, 2183..2566, 2183..2539		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o5.ts	Method	TBLASTX:Soybean
Start	2099	End	2440
GI	none	Score	87
Exons	2099..2212, 2134..2202, 2231..2440, 2236..2361		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o7.tw	Method	TBLASTX:Wheat
Start	2843	End	3195
GI	none	Score	57
Exons	2843..2911, 2844..2912, 2844..2921, 2916..2987, 2918..2998, 2924..2986, 2987..3064, 2989..3057, 2990..3061, 3091..3165, 3091..3195		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o1.tc	Method	TBLASTX:Cress
Start	8796	End	10421
GI	none	Score	97
Exons	8796..8885, 9137..9310, 9142..9294, 9296..9355, 9408..9623, 9441..9686, 9485..9685, 9896..10009, 9897..10019, 10051..10101, 10287..10421, 10292..10402		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o1.ts	Method	TBLASTX:Soybean
Start	8799	End	10421
GI	none	Score	93
Exons	8799..8885, 8813..8884, 9137..9310, 9142..9291, 9295..9354, 9296..9355, 9441..9686, 9563..9685, 9893..10009, 9894..10010, 10275..10421, 10292..10420		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o3.tm	Method	TBLASTX:Maize
Start	9137	End	9686
GI	none	Score	191
Exons	9137..9310, 9142..9282, 9281..9355, 9441..9686, 9461..9685		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o5.tw	Method	TBLASTX:Wheat
Start	9281	End	9691
GI	none	Score	87
Exons	9281..9355, 9292..9390, 9459..9680, 9476..9691		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o3.np	Method	AAT/NAP
Start	11762	End	12820
GI	6721543	Score	185
Exons	11762..11890, 12704..12820		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o1.gp	Method	AAT/GAP
Start	11778	End	11928
GI	74061.R1084	Score	225
Exons	11778..11928		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o2.gs	Method	GENSCAN
Start	12380	End	14285
GI	none	Score	.51
Exons	12380..13301, 13486..14285		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o4.np	Method	AAT/NAP
Start	12833	End	14296
GI	5441880	Score	1752
Exons	12833..13845, 14268..14296		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+

Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o1.tm	Method	TBLASTX:Maize
Start	13403	End	13991
GI	none	Score	89
Exons	13403..13474, 13404..13523, 13557..13856, 13574..13795, 13920..13991		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o2.gp	Method	AAT/GAP
Start	13438	End	13869
GI	5701669	Score	849
Exons	13438..13869		
GI Descrip.	5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	935	Seq. ID	OJ990323_20.9A03.C8
Gene No.	1959	Strand	+
Start	11762	End	14296
Name	OJ990323_20.9A03.C8.o3.tw	Method	TBLASTX:Wheat
Start	13689	End	14069
GI	none	Score	208
Exons	13689..13883, 13698..13895, 13889..14008, 13893..14069, 13893..14039		

Seq. No.	936	Seq. ID	OJ990323_20.9A03.C9
Gene No.	1960	Strand	+
Start	1	End	4314
Name	OJ990323_20.9A03.C9.o1.np	Method	AAT/NAP
Start	1	End	3757
GI	5441880	Score	3032
Exons	1..373, 877..1027, 1133..1469, 2054..2352, 2429..2687, 2932..3029, 3276..3407, 3523..3757		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	936	Seq. ID	OJ990323_20.9A03.C9
Gene No.	1960	Strand	+
Start	1	End	4314
Name	OJ990323_20.9A03.C9.o1.gs	Method	GENSCAN
Start	296	End	4063
GI	none	Score	.81
Exons	296..493, 877..1027, 1133..1469, 1554..1964, 2054..2352, 2429..2687, 2780..2824, 2932..3029, 3276..3407, 3471..3518, 3523..3725, 3876..4063		

Seq. No.	936	Seq. ID	OJ990323_20.9A03.C9
Gene No.	1960	Strand	+
Start	1	End	4314
Name	OJ990323_20.9A03.C9.o1.gp	Method	AAT/GAP
Start	2180	End	2679
GI	LIB3475-007-P1-K1-G8	Score	801
Exons	2180..2352, 2429..2679		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945)		

corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'

Seq. No.	936	Seq. ID	OJ990323_20.9A03.C9
Gene No.	1960	Strand	+
Start	1	End	4314
Name	OJ990323_20.9A03.C9.o2.gp	Method	AAT/GAP
Start	3861	End	4314
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	3861..4314		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	936	Seq. ID	OJ990323_20.9A03.C9
Gene No.	1961	Strand	-
Start	4257	End	4692
Name	OJ990323_20.9A03.C9.o3.gp	Method	AAT/GAP
Start	4257	End	4692
GI	7406_1.R1084	Score	532
Exons	4257..4331, 4366..4692		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1962	Strand	+
Start	14610	End	15467
Name	OJ990323_20.9A03.C10.o3.gs	Method	GENSCAN
Start	14610	End	15467
GI	none	Score	.56
Exons	14610..14674, 15305..15467		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1963	Strand	+
Start	15737	End	19423
Name	OJ990323_20.9A03.C10.o2.np	Method	AAT/NAP
Start	15731	End	18655
GI	3252866	Score	750
Exons	15731..16192, 16268..16393, 16430..16453, 17130..17279, 18353..18655		
GI Descrip.	(AF033535) putative zinc transporter [Arabidopsis thaliana]		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1963	Strand	+
Start	15737	End	19423
Name	OJ990323_20.9A03.C10.o4.gs	Method	GENSCAN
Start	15737	End	17588
GI	none	Score	.98
Exons	15737..16453, 17130..17279, 17577..17588		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1963	Strand	+
Start	15737	End	19423
Name	OJ990323_20.9A03.C10.o5.gs	Method	GENSCAN
Start	18383	End	19423
GI	none	Score	.5
Exons	18383..18568, 19056..19159, 19336..19423		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1964	Strand	+
Start	36497	End	36613
Name	OJ990323_20.9A03.C10.o1.gp	Method	AAT/GAP
Start	36497	End	36613
GI	18187_1.R1084	Score	197
Exons	36497..36613		
GI Descrip.	'6016679/gb AAF01506.1 AC009991_2 5.0e-30 (AC009991) putative nucleic acid binding protein [Arabidopsis thaliana]'		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1965	Strand	+
Start	39152	End	41580
Name	OJ990323_20.9A03.C10.o8.gs	Method	GENSCAN
Start	39152	End	41580
GI	none	Score	.51
Exons	39152..39346, 40115..40911, 41520..41580		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1966	Strand	-
Start	11469	End	14091
Name	OJ990323_20.9A03.C10.o1.np	Method	AAT/NAP
Start	11469	End	13707
GI	2213632	Score	772
Exons	11469..11521, 12953..13707		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1966	Strand	-
Start	11469	End	14091
Name	OJ990323_20.9A03.C10.o2.gs	Method	GENSCAN
Start	12781	End	14091
GI	none	Score	.63
Exons	12781..13376, 13479..14091		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1967	Strand	-
Start	25730	End	39198
Name	OJ990323_20.9A03.C10.o3.np	Method	AAT/NAP
Start	25730	End	30661
GI	4938487	Score	1773
Exons	25730..25861, 27761..28370, 28483..28714, 28898..29228, 29325..29462, 29676..29931, 30020..30375, 30478..30661		
GI Descrip.	(AL078464) cadmium-transporting ATPase-like protein [Arabidopsis thaliana]		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1967	Strand	-
Start	25730	End	39198
Name	OJ990323_20.9A03.C10.o7.gs	Method	GENSCAN
Start	26958	End	38728
GI	none	Score	.63
Exons	26958..28396, 28509..28714, 28898..29228, 29325..29462, 29704..30375, 30478..30985, 33960..34162, 34264..34495, 34500..34666, 36147..36387, 36488..36611, 38628..38728		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
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Gene No.	1967	Strand	-
Start	25730	End	39198
Name	OJ990323_20.9A03.C10.o4.np	Method	AAT/NAP
Start	36142	End	39198
GI	6016679	Score	791
Exons	36142..36387, 36488..36611, 38628..38850, 38948..38980, 39099..39198		
GI Descrip.	(AC009991) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1967	Strand	-
Start	25730	End	39198
Name	OJ990323_20.9A03.C10.o2.gp	Method	AAT/GAP
Start	38625	End	39144
GI	18187_1.R1084	Score	484
Exons	38625..38850, 38948..38982, 39100..39144		
GI Descrip.	'6016679/gb AAF01506.1 AC009991_2 5.0e-30 (AC009991) putative nucleic acid binding protein [Arabidopsis thaliana]'		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o1.tm	Method	TBLASTX:Maize
Start	12988	End	13465
GI	none	Score	69
Exons	12988..13059, 12988..13053, 13055..13096, 13057..13095, 13082..13231, 13093..13464, 13094..13234, 13096..13269, 13292..13465, 13298..13465		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o2.tw	Method	TBLASTX:Wheat
Start	13000	End	13422
GI	none	Score	169
Exons	13000..13227, 13010..13225, 13082..13234, 13237..13401, 13237..13422, 13247..13411		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o4.tm	Method	TBLASTX:Maize
Start	13480	End	13962
GI	none	Score	138
Exons	13480..13962, 13483..13944		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o4.tw	Method	TBLASTX:Wheat
Start	13543	End	13911
GI	none	Score	82
Exons	13543..13695, 13543..13911, 13628..13906		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-

Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o1.tc	Method	TBLASTX:Cress
Start	15881	End	18658
GI	none	Score	223
Exons	15881..16084, 15907..16107, 16106..16192, 17129..17272, 17184..17324, 18370..18441, 18415..18654, 18449..18658		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o9.tm	Method	TBLASTX:Maize
Start	15881	End	16195
GI	none	Score	214
Exons	15881..16081, 15881..15982, 15892..16080, 16109..16195		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o3.ts	Method	TBLASTX:Soybean
Start	15884	End	16192
GI	none	Score	225
Exons	15884..16084, 15901..16083, 16097..16192		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o2.ts	Method	TBLASTX:Soybean
Start	17129	End	18663
GI	none	Score	142
Exons	17129..17287, 17145..17291, 17184..17324, 18350..18658, 18352..18663		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o5.tm	Method	TBLASTX:Maize
Start	17226	End	18658
GI	none	Score	104
Exons	17226..17324, 17226..17294, 17228..17335, 18347..18658, 18347..18511, 18352..18657		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o4.tc	Method	TBLASTX:Cress
Start	27753	End	28199
GI	none	Score	74
Exons	27753..27830, 27933..28112, 28122..28199		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o1.tw	Method	TBLASTX:Wheat
Start	27978	End	28377
GI	none	Score	67
Exons	27978..28376, 27985..28122, 28204..28377		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o3.tm	Method	TBLASTX:Maize
Start	28003	End	28361
GI	none	Score	53
Exons	28003..28122, 28005..28361, 28204..28359		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o6.tm	Method	TBLASTX:Maize
Start	28514	End	29410
GI	none	Score	211
Exons	28514..28705, 28522..28713, 28529..28708, 28531..28716, 28539..28715, 28897..28929, 28897..28926, 28930..29169, 28931..29167, 29165..29200, 29326..29409, 29327..29410		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o2.tm	Method	TBLASTX:Maize
Start	29674	End	30359
GI	none	Score	126
Exons	29674..29949, 29675..29749, 29692..29790, 30020..30100, 30020..30325, 30060..30326, 30243..30329, 30320..30358, 30321..30359		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o3.tw	Method	TBLASTX:Wheat
Start	36136	End	36324
GI	none	Score	222
Exons	36136..36324, 36137..36310, 36150..36323		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o2.tc	Method	TBLASTX:Cress
Start	36151	End	36390
GI	none	Score	156
Exons	36151..36330, 36164..36310, 36310..36390		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o7.tm	Method	TBLASTX:Maize
Start	36151	End	36358
GI	none	Score	167
Exons	36151..36342, 36156..36347, 36161..36358		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o1.ts	Method	TBLASTX:Soybean
Start	36160	End	39183

GI	none	Score	187
Exons	36160..36390, 36161..36310, 36488..36535, 36536..36613, 36549..36623, 38625..38852, 38627..38752, 38807..38851, 38943..38981, 38945..38983, 39103..39183		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o5.tw	Method	TBLASTX:Wheat
Start	36494	End	38755
GI	none	Score	40
Exons	36494..36529, 36545..36613, 36546..36620, 38624..38755, 38627..38752		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o8.tm	Method	TBLASTX:Maize
Start	38625	End	39172
GI	none	Score	208
Exons	38625..38852, 38627..38752, 38807..38851, 38943..39011, 38945..39019, 39103..39171, 39137..39172		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o3.tc	Method	TBLASTX:Cress
Start	38645	End	39171
GI	none	Score	151
Exons	38645..38752, 38649..38852, 38807..38851, 38943..39011, 39103..39171		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o10.tm	Method	TBLASTX:Maize
Start	40238	End	40660
GI	none	Score	50
Exons	40238..40282, 40286..40546, 40634..40660		

Seq. No.	937	Seq. ID	OJ990323_20.9A03.C10
Gene No.	1968	Strand	-
Start	43776	End	44994
Name	OJ990323_20.9A03.C10.o9.gs	Method	GENSCAN
Start	43776	End	44994
GI	none	Score	.78
Exons	43776..43916, 44147..44503, 44521..44994		

Seq. No.	938	Seq. ID	OJ990323_20.9A03.C11
Gene No.	1969	Strand	-
Start	1	End	696
Name	OJ990323_20.9A03.C11.o1.np	Method	AAT/NAP
Start	1	End	696
GI	4938488	Score	186
Exons	1..236, 450..696		
GI Descrip.	(AL078464) cadmium-transporting ATPase-like protein [Arabidopsis thaliana]		

Seq. No.	938	Seq. ID	OJ990323_20.9A03.C11
Gene No.	1969	Strand	-
Start	1	End	696
Name	OJ990323_20.9A03.C11.o1.gs	Method	GENSCAN
Start	77	End	682
GI	none	Score	.52
Exons	77..236, 450..477, 538..682		

Seq. No.	939	Seq. ID	OJ990903_20.9A29.C2
Gene No.	1970	Strand	+
Start	2888	End	4527
Name	OJ990903_20.9A29.C2.o1.gs	Method	GENSCAN
Start	2888	End	4527
GI	none	Score	.96
Exons	2888..3256, 4069..4527		

Seq. No.	939	Seq. ID	OJ990903_20.9A29.C2
Gene No.	1970	Strand	+
Start	2888	End	4527
Name	OJ990903_20.9A29.C2.o1.np	Method	AAT/NAP
Start	2888	End	4525
GI	2583113	Score	648
Exons	2888..3256, 4084..4349, 4418..4525		
GI Descrip.	(AC002387) unknown protein [Arabidopsis thaliana]		

Seq. No.	939	Seq. ID	OJ990903_20.9A29.C2
Gene No.	1970	Strand	+
Start	2888	End	4527
Name	OJ990903_20.9A29.C2.o1.tc	Method	TBLASTX:Cress
Start	2999	End	4125
GI	none	Score	269
Exons	2999..3160, 3013..3159, 3191..3223, 4066..4125		

Seq. No.	939	Seq. ID	OJ990903_20.9A29.C2
Gene No.	1970	Strand	+
Start	2888	End	4527
Name	OJ990903_20.9A29.C2.o1.tm	Method	TBLASTX:Maize
Start	2999	End	3217
GI	none	Score	277
Exons	2999..3217, 3013..3213		

Seq. No.	939	Seq. ID	OJ990903_20.9A29.C2
Gene No.	1970	Strand	+
Start	2888	End	4527
Name	OJ990903_20.9A29.C2.o1.ts	Method	TBLASTX:Soybean
Start	2999	End	3238
GI	none	Score	106
Exons	2999..3073, 3086..3238, 3088..3222		

Seq. No.	940	Seq. ID	OJ990903_20.9A29.C3
Gene No.	1971	Strand	+
Start	365	End	7572
Name	OJ990903_20.9A29.C3.o1.gs	Method	GENSCAN
Start	365	End	7303
GI	none	Score	.57
Exons	365..433, 1305..2673, 4276..4423, 4673..4945, 5228..5524,		

5606..5889, 6141..6330, 6549..6570, 6826..7303

Seq. No. 940 Seq. ID OJ990903_20.9A29.C3
Gene No. 1971 Strand +
Start 365 End 7572
Name OJ990903_20.9A29.C3.o1.np Method AAT/NAP
Start 1409 End 7572
GI 5441889 Score 2497
Exons 1409..1612, 1658..2219, 2427..2673, 4162..4479, 4600..4945,
5102..5524, 5606..5889, 6057..6330, 6826..7303, 7414..7572
GI Descrip. (AP000367) Similar to SEC7 protein, *Saccharomyces cerevisiae*,
PIR2:S49764; Contains Immunoglobulins and major
histocompatibility complex proteins signature. (AL022604) [*Oryza*
sativa]

Seq. No. 940 Seq. ID OJ990903_20.9A29.C3
Gene No. 1971 Strand +
Start 365 End 7572
Name OJ990903_20.9A29.C3.o1.gp Method AAT/GAP
Start 4169 End 4820
GI 62728_1.R1084 Score 1033
Exons 4169..4479, 4600..4820
GI Descrip. '4467126/emb|CAB37560| 1.0e-18 (AL035538) guanine
nucleotide-exchange protein-like [*Arabidopsis thaliana*]'

Seq. No. 940 Seq. ID OJ990903_20.9A29.C3
Gene No. 1971 Strand +
Start 365 End 7572
Name OJ990903_20.9A29.C3.o2.tc Method TBLASTX:Cress
Start 4175 End 6309
GI none Score 155
Exons 4175..4477, 5105..5152, 5180..5527, 5302..5520, 5603..5698,
5605..5673, 6100..6309

Seq. No. 940 Seq. ID OJ990903_20.9A29.C3
Gene No. 1971 Strand +
Start 365 End 7572
Name OJ990903_20.9A29.C3.o4.ts Method TBLASTX:Soybean
Start 4715 End 5224
GI none Score 196
Exons 4715..4945, 4717..4779, 4867..4941, 5082..5171, 5092..5223,
5093..5224, 5093..5224

Seq. No. 940 Seq. ID OJ990903_20.9A29.C3
Gene No. 1971 Strand +
Start 365 End 7572
Name OJ990903_20.9A29.C3.o2.ts Method TBLASTX:Soybean
Start 5225 End 5671
GI none Score 375
Exons 5225..5527, 5269..5514, 5603..5671

Seq. No. 940 Seq. ID OJ990903_20.9A29.C3
Gene No. 1971 Strand +
Start 365 End 7572
Name OJ990903_20.9A29.C3.o3.ts Method TBLASTX:Soybean
Start 5830 End 6249
GI none Score 89

Exons 5830..5889, 5831..5890, 6057..6242, 6057..6248, 6058..6249

Seq. No.	940	Seq. ID	OJ990903_20.9A29.C3
Gene No.	1971	Strand	+
Start	365	End	7572
Name	OJ990903_20.9A29.C3.o2.gp	Method	AAT/GAP
Start	6814	End	7216
GI	572171	Score	736
Exons	6814..7216		
GI Descrip.	4467126/emb CAB37560 1.0e-18 (AL035538) guanine nucleotide-exchange protein-like [Arabidopsis thaliana]		

Seq. No.	940	Seq. ID	OJ990903_20.9A29.C3
Gene No.	1971	Strand	+
Start	365	End	7572
Name	OJ990903_20.9A29.C3.o1.tc	Method	TBLASTX:Cress
Start	6834	End	7572
GI	none	Score	237
Exons	6834..7034, 6839..6961, 6843..6974, 6853..7056, 6853..7002, 7056..7097, 7060..7293, 7073..7303, 7074..7304, 7146..7307, 7413..7478, 7414..7545, 7414..7572, 7415..7570		

Seq. No.	940	Seq. ID	OJ990903_20.9A29.C3
Gene No.	1971	Strand	+
Start	365	End	7572
Name	OJ990903_20.9A29.C3.o1.ts	Method	TBLASTX:Soybean
Start	7008	End	7572
GI	none	Score	38
Exons	7008..7034, 7010..7033, 7034..7102, 7056..7103, 7128..7232, 7136..7231, 7211..7303, 7211..7303, 7215..7304, 7233..7313, 7237..7305, 7401..7478, 7414..7563, 7414..7572, 7415..7570		

Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1972	Strand	+
Start	122	End	2688
Name	OJ990903_20.9A29.C4.o1.np	Method	AAT/NAP
Start	122	End	2300
GI	3080412	Score	768
Exons	122..492, 594..1235, 1690..2300		
GI Descrip.	(AL022604) putative protein [Arabidopsis thaliana]		

Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1972	Strand	+
Start	122	End	2688
Name	OJ990903_20.9A29.C4.o1.gs	Method	GENSCAN
Start	133	End	2688
GI	none	Score	.68
Exons	133..258, 351..492, 594..1279, 1704..1995, 2339..2351, 2655..2688		

Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1972	Strand	+
Start	122	End	2688
Name	OJ990903_20.9A29.C4.o1.gp	Method	AAT/GAP
Start	632	End	1159
GI	24987_1.R1084	Score	1048
Exons	632..1159		

GI Descrip. '3080412/emb|CAA18731.1| 1.0e-23 (AL022604) putative protein [Arabidopsis thaliana]'

Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1972	Strand	+
Start	122	End	2688
Name	OJ990903_20.9A29.C4.o2.gp	Method	AAT/GAP
Start	2096	End	2639
GI	38778_1.R1084	Score	1045
Exons	2096..2639		

GI Descrip. '5441889/dbj|BAA82387.1| 6.0e-11 (AP000367) Similar to SEC7 protein, Saccharomyces cerevisiae, PIR2:S49764; Contains Immunoglobulins and major histocompatibility complex proteins signature. (AL022604) [Oryza sativa]'

Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1973	Strand	+
Start	7997	End	8824
Name	OJ990903_20.9A29.C4.o4.gp	Method	AAT/GAP
Start	7997	End	8824
GI	26575_1.R1084	Score	1609
Exons	7997..8824		

GI Descrip. '1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'

Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1974	Strand	-
Start	4722	End	8825
Name	OJ990903_20.9A29.C4.o2.tm	Method	TBLASTX:Maize
Start	1	End	628
GI	none	Score	50
Exons	1..24, 3..23, 122..250, 124..243, 132..251, 249..272, 273..377, 279..374, 320..376, 386..493, 393..494, 551..628, 589..627		

Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1974	Strand	-
Start	4722	End	8825
Name	OJ990903_20.9A29.C4.o3.ts	Method	TBLASTX:Soybean
Start	3	End	305
GI	none	Score	46
Exons	3..26, 124..252, 127..243, 249..305, 255..305		

Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1974	Strand	-
Start	4722	End	8825
Name	OJ990903_20.9A29.C4.o1.tw	Method	TBLASTX:Wheat
Start	249	End	363
GI	none	Score	190
Exons	249..362, 253..363, 301..363		

Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1974	Strand	-
Start	4722	End	8825
Name	OJ990903_20.9A29.C4.o1.ts	Method	TBLASTX:Soybean
Start	356	End	1846
GI	none	Score	42
Exons	356..391, 357..383, 402..494, 407..493, 548..805, 589..768,		

600..770, 770..1033, 815..1033, 844..1035, 1033..1092,
1034..1174, 1136..1276, 1246..1278, 1703..1846, 1704..1844

Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1974	Strand	-
Start	4722	End	8825
Name	OJ990903_20.9A29.C4.o1.tc	Method	TBLASTX:Cress
Start	456	End	888
GI	none	Score	57
Exons	456..494, 578..769, 592..768, 812..886, 847..888		

Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1974	Strand	-
Start	4722	End	8825
Name	OJ990903_20.9A29.C4.o5.tm	Method	TBLASTX:Maize
Start	629	End	1087
GI	none	Score	143
Exons	629..757, 629..760, 824..1087		

Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1974	Strand	-
Start	4722	End	8825
Name	OJ990903_20.9A29.C4.o1.tm	Method	TBLASTX:Maize
Start	1169	End	2128
GI	none	Score	143
Exons	1169..1279, 1171..1287, 1703..1939, 1704..1973, 1969..2100, 1971..2126, 1971..2126, 1972..2127, 1982..2128		

Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1974	Strand	-
Start	4722	End	8825
Name	OJ990903_20.9A29.C4.o2.tc	Method	TBLASTX:Cress
Start	1695	End	2138
GI	none	Score	305
Exons	1695..2024, 1703..1900, 2043..2138		

Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1974	Strand	-
Start	4722	End	8825
Name	OJ990903_20.9A29.C4.o2.ts	Method	TBLASTX:Soybean
Start	1914	End	2314
GI	none	Score	103
Exons	1914..2048, 1926..2060, 2070..2312, 2072..2290, 2171..2314		

Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1974	Strand	-
Start	4722	End	8825
Name	OJ990903_20.9A29.C4.o2.tw	Method	TBLASTX:Wheat
Start	2070	End	2297
GI	none	Score	176
Exons	2070..2297		

Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1974	Strand	-
Start	4722	End	8825
Name	OJ990903_20.9A29.C4.o4.tm	Method	TBLASTX:Maize
Start	2129	End	2334

GI	none	Score	298
Exons	2129..2326, 2130..2318, 2131..2334, 2131..2328		
Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1974	Strand	-
Start	4722	End	8825
Name	OJ990903_20.9A29.C4.o2.gs	Method	GENSCAN
Start	4722	End	8821
GI	none	Score	.54
Exons	4722..5467, 5748..5959, 6334..6515, 7001..7068, 8629..8821		
Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1974	Strand	-
Start	4722	End	8825
Name	OJ990903_20.9A29.C4.o3.gp	Method	AAT/GAP
Start	4870	End	5368
GI	none	Score	946
Exons	4870..5368		
Seq. No.	941	Seq. ID	OJ990903_20.9A29.C4
Gene No.	1974	Strand	-
Start	4722	End	8825
Name	OJ990903_20.9A29.C4.o3.tm	Method	TBLASTX:Maize
Start	8006	End	8825
GI	none	Score	46
Exons	8006..8038, 8041..8082, 8054..8086, 8118..8183, 8118..8186, 8119..8199, 8119..8229, 8373..8483, 8378..8464, 8466..8825, 8472..8663, 8513..8773, 8721..8822		
Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1975	Strand	+
Start	7379	End	9506
Name	OJ990903_20.9A29.C8.o2.gs	Method	GENSCAN
Start	7379	End	9506
GI	none	Score	.94
Exons	7379..7440, 7551..8352, 8825..8929, 9147..9506		
Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1975	Strand	+
Start	7379	End	9506
Name	OJ990903_20.9A29.C8.o2.np	Method	AAT/NAP
Start	7394	End	9503
GI	6730631	Score	762
Exons	7394..7440, 7551..8352, 8825..8929, 9147..9503		
GI Descrip.	(AC008262) F4N2.2[Arabidopsis thaliana]		
Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1976	Strand	+
Start	11968	End	12337
Name	OJ990903_20.9A29.C8.o2.gp	Method	AAT/GAP
Start	11968	End	12337
GI	uC-osflcyp173a11a1	Score	617
Exons	11968..12337		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8

Gene No.	1977	Strand	-
Start	1	End	4554
Name	OJ990903_20.9A29.C8.o1.np	Method	AAT/NAP
Start	1	End	1345
GI	6630696	Score	2232
Exons	1..1345		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1977	Strand	-
Start	1	End	4554
Name	OJ990903_20.9A29.C8.o1.gs	Method	GENSCAN
Start	339	End	4554
GI	none	Score	.55
Exons	339..487, 598..883, 890..1692, 1728..1963, 3436..3505, 4215..4554		

Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1977	Strand	-
Start	1	End	4554
Name	OJ990903_20.9A29.C8.o1.gp	Method	AAT/GAP
Start	413	End	1303
GI	101595_1.R1084	Score	1403
Exons	413..487, 603..1303		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1978	Strand	-
Start	10595	End	14260
Name	OJ990903_20.9A29.C8.o2.tm	Method	TBLASTX:Maize
Start	134	End	472
GI	none	Score	39
Exons	134..166, 198..470, 198..470, 199..471, 200..472		

Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1978	Strand	-
Start	10595	End	14260
Name	OJ990903_20.9A29.C8.o3.tm	Method	TBLASTX:Maize
Start	995	End	1303
GI	none	Score	133
Exons	995..1303, 998..1189, 1060..1209, 1074..1256		

Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1978	Strand	-
Start	10595	End	14260
Name	OJ990903_20.9A29.C8.o1.tw	Method	TBLASTX:Wheat
Start	1054	End	1451
GI	none	Score	153
Exons	1054..1215, 1055..1339, 1074..1259, 1316..1450, 1353..1451		

Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1978	Strand	-
Start	10595	End	14260
Name	OJ990903_20.9A29.C8.o2.tw	Method	TBLASTX:Wheat

Start	4100	End	9269
GI	none	Score	55
Exons	4100..4201, 8819..8929, 8822..8929, 9144..9269, 9144..9257		

Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1978	Strand	-
Start	10595	End	14260
Name	OJ990903_20.9A29.C8.o1.ts	Method	TBLASTX:Soybean
Start	7548	End	9344
GI	none	Score	131
Exons	7548..7691, 7549..7692, 7686..7727, 7687..7749, 7864..8193, 7878..8066, 9177..9344		

Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1978	Strand	-
Start	10595	End	14260
Name	OJ990903_20.9A29.C8.o2.tc	Method	TBLASTX:Cress
Start	7549	End	7938
GI	none	Score	118
Exons	7549..7698, 7687..7749, 7864..7938		

Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1978	Strand	-
Start	10595	End	14260
Name	OJ990903_20.9A29.C8.o7.tm	Method	TBLASTX:Maize
Start	7864	End	8079
GI	none	Score	201
Exons	7864..8079, 7864..7962, 7878..8066		

Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1978	Strand	-
Start	10595	End	14260
Name	OJ990903_20.9A29.C8.o1.tc	Method	TBLASTX:Cress
Start	8122	End	8352
GI	none	Score	49
Exons	8122..8172, 8190..8336, 8194..8352, 8203..8352		

Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1978	Strand	-
Start	10595	End	14260
Name	OJ990903_20.9A29.C8.o5.tm	Method	TBLASTX:Maize
Start	8187	End	8934
GI	none	Score	272
Exons	8187..8345, 8188..8352, 8203..8352, 8813..8929, 8813..8929, 8824..8934		

Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1978	Strand	-
Start	10595	End	14260
Name	OJ990903_20.9A29.C8.o2.ts	Method	TBLASTX:Soybean
Start	8194	End	8923
GI	none	Score	195
Exons	8194..8346, 8824..8922, 8825..8923		

Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1978	Strand	-
Start	10595	End	14260

Name	OJ990903_20.9A29.C8.o3.tw	Method	TBLASTX:Wheat
Start	8194	End	8385
GI	none	Score	182
Exons	8194..8352, 8206..8385		
Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1978	Strand	-
Start	10595	End	14260
Name	OJ990903_20.9A29.C8.o9.tm	Method	TBLASTX:Maize
Start	9144	End	9269
GI	none	Score	183
Exons	9144..9269, 9144..9266, 9146..9268		
Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1978	Strand	-
Start	10595	End	14260
Name	OJ990903_20.9A29.C8.o4.tm	Method	TBLASTX:Maize
Start	9269	End	9707
GI	none	Score	271
Exons	9269..9397, 9273..9506, 9443..9505, 9459..9506, 9461..9511, 9528..9554, 9552..9587, 9556..9585, 9557..9604, 9618..9638, 9681..9707		
Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1978	Strand	-
Start	10595	End	14260
Name	OJ990903_20.9A29.C8.o3.gs	Method	GENSCAN
Start	10595	End	13031
GI	none	Score	.49
Exons	10595..10665, 10718..10818, 10943..11222, 11487..11490, 12243..13031		
Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1978	Strand	-
Start	10595	End	14260
Name	OJ990903_20.9A29.C8.o1.tm	Method	TBLASTX:Maize
Start	12198	End	12818
GI	none	Score	269
Exons	12198..12572, 12203..12586, 12207..12602, 12451..12579, 12563..12703, 12581..12667, 12711..12818		
Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1978	Strand	-
Start	10595	End	14260
Name	OJ990903_20.9A29.C8.o3.np	Method	AAT/NAP
Start	12264	End	14260
GI	4432821	Score	159
Exons	12264..12790, 12845..12910, 12947..13149, 14236..14260		
GI Descrip.	(AC006593) unknown protein [Arabidopsis thaliana]		
Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1978	Strand	-
Start	10595	End	14260
Name	OJ990903_20.9A29.C8.o6.tm	Method	TBLASTX:Maize
Start	12822	End	12975
GI	none	Score	144
Exons	12822..12968, 12822..12974, 12823..12975		

Seq. No.	942	Seq. ID	OJ990903_20.9A29.C8
Gene No.	1978	Strand	-
Start	10595	End	14260
Name	OJ990903_20.9A29.C8.o8.tm	Method	TBLASTX:Maize
Start	12980	End	13173
GI	none	Score	118
Exons	12980..13135, 12984..13166, 13072..13173		

Seq. No.	943	Seq. ID	OJ990903_20.9A29.C10
Gene No.	1979	Strand	+
Start	2354	End	11033
Name	OJ990903_20.9A29.C10.o1.gs	Method	GENSCAN
Start	2354	End	10924
GI	none	Score	.55
Exons	2354..2361, 3053..3156, 6292..6484, 7701..7825, 7846..8018, 8084..8172, 8770..8845, 9587..9782, 10017..10924		

Seq. No.	943	Seq. ID	OJ990903_20.9A29.C10
Gene No.	1979	Strand	+
Start	2354	End	11033
Name	OJ990903_20.9A29.C10.o1.gp	Method	AAT/GAP
Start	5954	End	6299
GI	426562	Score	651
Exons	5954..6299		

Seq. No.	943	Seq. ID	OJ990903_20.9A29.C10
Gene No.	1979	Strand	+
Start	2354	End	11033
Name	OJ990903_20.9A29.C10.o1.np	Method	AAT/NAP
Start	8756	End	11033
GI	3036816	Score	1012
Exons	8756..8871, 9574..9782, 10017..11033		
GI Descrip.	(AL022373) myosin-like protein [Arabidopsis thaliana]		

Seq. No.	943	Seq. ID	OJ990903_20.9A29.C10
Gene No.	1979	Strand	+
Start	2354	End	11033
Name	OJ990903_20.9A29.C10.o1.tw	Method	TBLASTX:Wheat
Start	9733	End	10338
GI	none	Score	82
Exons	9733..9783, 9734..9793, 9734..9790, 10013..10195, 10015..10338, 10108..10212, 10191..10334		

Seq. No.	943	Seq. ID	OJ990903_20.9A29.C10
Gene No.	1979	Strand	+
Start	2354	End	11033
Name	OJ990903_20.9A29.C10.o1.tm	Method	TBLASTX:Maize
Start	10160	End	11033
GI	none	Score	139
Exons	10160..10246, 10160..10195, 10191..10256, 10237..10332, 10247..10339, 10257..10343, 10265..10339, 10344..10595, 10344..10916, 10346..10918, 10378..10917, 10904..10942, 10917..10943, 10917..10943, 10957..11031, 10958..11032, 10959..11033		

Seq. No.	943	Seq. ID	OJ990903_20.9A29.C10
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Gene No.	1979	Strand	+
Start	2354	End	11033
Name	OJ990903_20.9A29.C10.ol.tc	Method	TBLASTX:Cress
Start	10203	End	10642
GI	none	Score	436
Exons	10203..10262, 10214..10633, 10341..10487, 10402..10581, 10463..10585, 10585..10623, 10586..10642		

Seq. No.	943	Seq. ID	OJ990903_20.9A29.C10
Gene No.	1979	Strand	+
Start	2354	End	11033
Name	OJ990903_20.9A29.C10.ol.ts	Method	TBLASTX:Soybean
Start	10347	End	10668
GI	none	Score	153
Exons	10347..10577, 10349..10666, 10396..10623, 10405..10668		

Seq. No.	944	Seq. ID	OJ990903_20.9A29.C12
Gene No.	1980	Strand	-
Start	88	End	642
Name	OJ990903_20.9A29.C12.ol.gs	Method	GENSCAN
Start	88	End	621
GI	none	Score	.94
Exons	88..621		

Seq. No.	944	Seq. ID	OJ990903_20.9A29.C12
Gene No.	1980	Strand	-
Start	88	End	642
Name	OJ990903_20.9A29.C12.ol.tm	Method	TBLASTX:Maize
Start	103	End	625
GI	none	Score	59
Exons	103..549, 121..234, 122..493, 496..624, 529..624, 560..625		

Seq. No.	944	Seq. ID	OJ990903_20.9A29.C12
Gene No.	1980	Strand	-
Start	88	End	642
Name	OJ990903_20.9A29.C12.ol.np	Method	AAT/NAP
Start	106	End	642
GI	3043426	Score	500
Exons	106..642		
GI Descrip.	(AJ005345) hypothetical protein [Cicer arietinum]		

Seq. No.	944	Seq. ID	OJ990903_20.9A29.C12
Gene No.	1980	Strand	-
Start	88	End	642
Name	OJ990903_20.9A29.C12.ol.ts	Method	TBLASTX:Soybean
Start	115	End	625
GI	none	Score	41
Exons	115..168, 116..163, 202..516, 203..493, 499..624, 563..625		

Seq. No.	944	Seq. ID	OJ990903_20.9A29.C12
Gene No.	1980	Strand	-
Start	88	End	642
Name	OJ990903_20.9A29.C12.ol.tc	Method	TBLASTX:Cress
Start	136	End	624
GI	none	Score	189
Exons	136..159, 163..516, 164..493, 499..624, 560..622		

Seq. No.	945	Seq. ID	OJ990903_20.9A29.C13
Gene No.	1981	Strand	-
Start	16	End	38
Name	OJ990903_20.9A29.C13.o1.gs	Method	GENSCAN
Start	16	End	38
GI	none	Score	.89
Exons	16..38		
Seq. No.	946	Seq. ID	OJ990903_20.9A29.C14
Gene No.	1982	Strand	+
Start	741	End	863
Name	OJ990903_20.9A29.C14.o1.gs	Method	GENSCAN
Start	741	End	863
GI	none	Score	.57
Exons	741..863		
Seq. No.	946	Seq. ID	OJ990903_20.9A29.C14
Gene No.	1983	Strand	+
Start	1306	End	1416
Name	OJ990903_20.9A29.C14.o1.gp	Method	AAT/GAP
Start	1306	End	1416
GI	2869_1.R1084	Score	185
Exons	1306..1416		
GI Descrip.	'5123926/emb CAB45514.1 1.0e-11 (AL079350) putative protein [Arabidopsis thaliana]'		
Seq. No.	947	Seq. ID	OJ990903_20.9A29.C15
Gene No.	1984	Strand	-
Start	1418	End	4672
Name	OJ990903_20.9A29.C15.o1.np	Method	AAT/NAP
Start	1418	End	4600
GI	5123926	Score	269
Exons	1418..1511, 2752..3004, 4050..4222, 4379..4478, 4504..4600		
GI Descrip.	(AL079350) putative protein [Arabidopsis thaliana]		
Seq. No.	947	Seq. ID	OJ990903_20.9A29.C15
Gene No.	1984	Strand	-
Start	1418	End	4672
Name	OJ990903_20.9A29.C15.o1.gs	Method	GENSCAN
Start	2480	End	4672
GI	none	Score	.95
Exons	2480..2511, 2825..3004, 4050..4159, 4226..4261, 4461..4672		
Seq. No.	947	Seq. ID	OJ990903_20.9A29.C15
Gene No.	1984	Strand	-
Start	1418	End	4672
Name	OJ990903_20.9A29.C15.o1.tm	Method	TBLASTX:Maize
Start	2820	End	4631
GI	none	Score	265
Exons	2820..3005, 2822..3010, 2823..3014, 2824..3006, 4048..4158, 4048..4161, 4088..4162, 4223..4264, 4225..4260, 4458..4631, 4463..4564		
Seq. No.	947	Seq. ID	OJ990903_20.9A29.C15
Gene No.	1984	Strand	-
Start	1418	End	4672
Name	OJ990903_20.9A29.C15.o1.ts	Method	TBLASTX:Soybean

Start	2824	End	4161
GI	none	Score	173
Exons	2824..3006, 2826..3014, 2827..3006, 4039..4161, 4088..4159		
Seq. No.	947	Seq. ID	OJ990903_20.9A29.C15
Gene No.	1984	Strand	-
Start	1418	End	4672
Name	OJ990903_20.9A29.C15.o1.tc	Method	TBLASTX:Cress
Start	2826	End	4161
GI	none	Score	137
Exons	2826..3014, 2827..3006, 4048..4161, 4054..4149, 4088..4159		
Seq. No.	948	Seq. ID	OJ990903_20.9A29.C16
Gene No.	1985	Strand	+
Start	1477	End	1722
Name	OJ990903_20.9A29.C16.o1.gs	Method	GENSCAN
Start	1477	End	1722
GI	none	Score	.85
Exons	1477..1722		
Seq. No.	948	Seq. ID	OJ990903_20.9A29.C16
Gene No.	1986	Strand	+
Start	2633	End	4579
Name	OJ990903_20.9A29.C16.o2.gs	Method	GENSCAN
Start	2633	End	4579
GI	none	Score	.93
Exons	2633..4579		
Seq. No.	948	Seq. ID	OJ990903_20.9A29.C16
Gene No.	1987	Strand	+
Start	13964	End	15743
Name	OJ990903_20.9A29.C16.o1.gp	Method	AAT/GAP
Start	13964	End	15743
GI	none	Score	752
Exons	13964..14095, 15490..15743		
Seq. No.	948	Seq. ID	OJ990903_20.9A29.C16
Gene No.	1988	Strand	+
Start	16731	End	19050
Name	OJ990903_20.9A29.C16.o2.tm	Method	TBLASTX:Maize
Start	3508	End	3838
GI	none	Score	96
Exons	3508..3591, 3511..3609, 3601..3837, 3602..3838		
Seq. No.	948	Seq. ID	OJ990903_20.9A29.C16
Gene No.	1988	Strand	+
Start	16731	End	19050
Name	OJ990903_20.9A29.C16.o3.tm	Method	TBLASTX:Maize
Start	3838	End	4153
GI	none	Score	224
Exons	3838..4014, 3839..4015, 3841..4035, 4051..4098, 4051..4104, 4058..4129, 4105..4152, 4106..4153		
Seq. No.	948	Seq. ID	OJ990903_20.9A29.C16
Gene No.	1988	Strand	+
Start	16731	End	19050
Name	OJ990903_20.9A29.C16.o1.tm	Method	TBLASTX:Maize

Start	4303	End	4786
GI	none	Score	396
Exons	4303..4587, 4304..4588, 4590..4781, 4592..4786, 4594..4782		

Seq. No.	948	Seq. ID	OJ990903_20.9A29.C16
Gene No.	1988	Strand	+
Start	16731	End	19050
Name	OJ990903_20.9A29.C16.o4.gs	Method	GENSCAN
Start	16731	End	19050
GI	none	Score	.6
Exons	16731..16877, 17317..17412, 18595..19050		

Seq. No.	949	Seq. ID	OJ990903_20.9A29.C17
Gene No.	1989	Strand	+
Start	239	End	1405
Name	OJ990903_20.9A29.C17.o1.gs	Method	GENSCAN
Start	239	End	1405
GI	none	Score	.49
Exons	239..279, 319..558, 1211..1405		

Seq. No.	949	Seq. ID	OJ990903_20.9A29.C17
Gene No.	1989	Strand	+
Start	239	End	1405
Name	OJ990903_20.9A29.C17.o1.gp	Method	AAT/GAP
Start	621	End	1057
GI	LIB3432-030-P1-K1-C3	Score	833
Exons	621..1057		
GI Descrip.	'2982268 1.0e-46 (AF051217) probable 40S ribosomal protein S15 [Picea mariana]'		

Seq. No.	949	Seq. ID	OJ990903_20.9A29.C17
Gene No.	1990	Strand	+
Start	2420	End	3597
Name	OJ990903_20.9A29.C17.o2.gs	Method	GENSCAN
Start	2420	End	3597
GI	none	Score	.43
Exons	2420..2656, 2661..2858, 3121..3597		

Seq. No.	949	Seq. ID	OJ990903_20.9A29.C17
Gene No.	1991	Strand	-
Start	3866	End	6637
Name	OJ990903_20.9A29.C17.o3.gs	Method	GENSCAN
Start	3866	End	6523
GI	none	Score	.41
Exons	3866..3876, 3878..3988, 4024..4259, 4474..4484, 4559..4614, 5496..5807, 6256..6523		

Seq. No.	949	Seq. ID	OJ990903_20.9A29.C17
Gene No.	1991	Strand	-
Start	3866	End	6637
Name	OJ990903_20.9A29.C17.o3.tm	Method	TBLASTX:Maize
Start	5252	End	5575
GI	none	Score	48
Exons	5252..5296, 5254..5289, 5282..5440, 5343..5435, 5344..5436, 5351..5440, 5484..5573, 5485..5574, 5486..5575		

Seq. No.	949	Seq. ID	OJ990903_20.9A29.C17
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Gene No.	1991	Strand	-
Start	3866	End	6637
Name	OJ990903_20.9A29.C17.o1.np	Method	AAT/NAP
Start	5449	End	6637
GI	6630696	Score	1949
Exons	5449..6637		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	949	Seq. ID	OJ990903_20.9A29.C17
Gene No.	1991	Strand	-
Start	3866	End	6637
Name	OJ990903_20.9A29.C17.o1.tw	Method	TBLASTX:Wheat
Start	5585	End	6059
GI	none	Score	173
Exons	5585..5716, 5585..5788, 5587..5802, 5662..5790, 5772..5969, 5791..5970, 5791..5976, 5984..6058, 5985..6059, 5986..6054		

Seq. No.	949	Seq. ID	OJ990903_20.9A29.C17
Gene No.	1991	Strand	-
Start	3866	End	6637
Name	OJ990903_20.9A29.C17.o2.ts	Method	TBLASTX:Soybean
Start	5713	End	6053
GI	none	Score	93
Exons	5713..5790, 5790..5921, 5791..5916, 5940..6053, 5959..6018		

Seq. No.	949	Seq. ID	OJ990903_20.9A29.C17
Gene No.	1991	Strand	-
Start	3866	End	6637
Name	OJ990903_20.9A29.C17.o1.tm	Method	TBLASTX:Maize
Start	5915	End	6258
GI	none	Score	98
Exons	5915..6163, 5916..6257, 5917..6258		

Seq. No.	949	Seq. ID	OJ990903_20.9A29.C17
Gene No.	1991	Strand	-
Start	3866	End	6637
Name	OJ990903_20.9A29.C17.o1.ts	Method	TBLASTX:Soybean
Start	6066	End	6413
GI	none	Score	65
Exons	6066..6248, 6067..6237, 6249..6413, 6254..6409		

Seq. No.	949	Seq. ID	OJ990903_20.9A29.C17
Gene No.	1991	Strand	-
Start	3866	End	6637
Name	OJ990903_20.9A29.C17.o2.tm	Method	TBLASTX:Maize
Start	6266	End	6637
GI	none	Score	209
Exons	6266..6637		

Seq. No.	949	Seq. ID	OJ990903_20.9A29.C17
Gene No.	1991	Strand	-
Start	3866	End	6637
Name	OJ990903_20.9A29.C17.o2.tw	Method	TBLASTX:Wheat
Start	6266	End	6637
GI	none	Score	146

Exons 6266..6472, 6467..6637

Seq. No.	950	Seq. ID	OJ990903_20.9A29.C18
Gene No.	1992	Strand	-
Start	1	End	559
Name	OJ990903_20.9A29.C18.o1.np	Method	AAT/NAP
Start	1	End	559
GI	6630696	Score	899

Exons 1..559

GI Descrip. (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No.	950	Seq. ID	OJ990903_20.9A29.C18
Gene No.	1992	Strand	-
Start	1	End	559
Name	OJ990903_20.9A29.C18.o1.tc	Method	TBLASTX:Cress
Start	5	End	187
GI	none	Score	109

Exons 5..181, 9..179, 11..187

Seq. No.	950	Seq. ID	OJ990903_20.9A29.C18
Gene No.	1992	Strand	-
Start	1	End	559
Name	OJ990903_20.9A29.C18.o1.tm	Method	TBLASTX:Maize
Start	8	End	268
GI	none	Score	101

Exons 8..268, 9..221, 35..256

Seq. No.	950	Seq. ID	OJ990903_20.9A29.C18
Gene No.	1992	Strand	-
Start	1	End	559
Name	OJ990903_20.9A29.C18.o1.ts	Method	TBLASTX:Soybean
Start	17	End	274
GI	5509260	Score	103

Exons 17..274, 18..179

GI Descrip. -

Seq. No.	950	Seq. ID	OJ990903_20.9A29.C18
Gene No.	1992	Strand	-
Start	1	End	559
Name	OJ990903_20.9A29.C18.o1.gs	Method	GENSCAN
Start	29	End	441
GI	none	Score	.7

Exons 29..441

Seq. No.	950	Seq. ID	OJ990903_20.9A29.C18
Gene No.	1992	Strand	-
Start	1	End	559
Name	OJ990903_20.9A29.C18.o1.tw	Method	TBLASTX:Wheat
Start	194	End	559
GI	none	Score	118

Exons 194..376, 194..448, 198..383, 262..447, 472..558, 475..552, 482..559

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1993	Strand	+

Start	10251	End	14559
Name	OJ990903_20.9A29.C19.o1.np		
Start	10251	End	14559
GI	2586082	Score	4348
Exons	10251..14559		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1994	Strand	+
Start	14780	End	15213
Name	OJ990903_20.9A29.C19.o2.np		
Start	14780	End	15213
GI	4835239	Score	268
Exons	14780..15213		
GI Descrip.	(AL049862) putative DNA-3-methyladenine glycosidase [Arabidopsis thaliana]		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1995	Strand	-
Start	1437	End	9468
Name	OJ990903_20.9A29.C19.o1.gs		
Start	1437	End	9468
GI	none	Score	.65
Exons	1437..1460, 1759..1955, 2674..2754, 4452..4542, 4715..4791, 4943..5042, 5151..5191, 7331..7403, 7909..8439, 8569..9468		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1995	Strand	-
Start	1437	End	9468
Name	OJ990903_20.9A29.C19.o1.gp		
Start	1829	End	3023
GI	none	Score	906
Exons	1829..2123, 2835..3023		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1995	Strand	-
Start	1437	End	9468
Name	OJ990903_20.9A29.C19.o2.gp		
Start	7173	End	7650
GI	none	Score	885
Exons	7173..7650		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1995	Strand	-
Start	1437	End	9468
Name	OJ990903_20.9A29.C19.o3.gp		
Start	7994	End	8808
GI	6930_1.R1084	Score	1325
Exons	7994..8439, 8569..8808		
GI Descrip.	'5921185/sp O64636 C7C1_ARATH 4.0e-57 CYTOCHROME P450 76C1 >gi_2979548 (AC003680) putative 7-ethoxycoumarin O-deethylase [Arabidopsis thaliana]'		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-
Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o5.tm		
		Method	TBLASTX:Maize

Start 192
GI none
Exons 192..371, 193..372, 209..373

End 373
Score 252

Seq. No. 951
Gene No. 1996
Start 16707
Name OJ990903_20.9A29.C19.o1.ts
Start 7840
GI none
Exons 7840..8448, 7841..8188, 7846..8409, 8291..8449, 8992..9099, 9175..9387, 16711..17322, 16713..17312, 16719..17324, 18375..18506, 18573..18731

Seq. ID OJ990903_20.9A29.C19
Strand -
End 18890
Method TBLASTX:Soybean
End 18731
Score 173

Seq. No. 951
Gene No. 1996
Start 16707
Name OJ990903_20.9A29.C19.o7.tw
Start 7876
GI none
Exons 7876..8106, 7880..8107, 16749..16979, 16750..16980

Seq. ID OJ990903_20.9A29.C19
Strand -
End 18890
Method TBLASTX:Wheat
End 16980
Score 128

Seq. No. 951
Gene No. 1996
Start 16707
Name OJ990903_20.9A29.C19.o1.tc
Start 7909
GI none
Exons 7909..8451, 7934..8185, 7954..8451, 8653..8889, 8851..9378, 16803..17168, 16806..17312, 16807..17322, 18057..18266, 18294..18731

Seq. ID OJ990903_20.9A29.C19
Strand -
End 18890
Method TBLASTX:Cress
End 18731
Score 207

Seq. No. 951
Gene No. 1996
Start 16707
Name OJ990903_20.9A29.C19.o1.tm
Start 7910
GI none
Exons 7910..8071, 7912..8067, 8077..8439, 8077..8439, 8079..8441, 8258..8440, 16783..16944, 16785..16940, 16805..16945, 16941..17312, 16941..17312, 16945..17313, 17000..17314

Seq. ID OJ990903_20.9A29.C19
Strand -
End 18890
Method TBLASTX:Maize
End 17314
Score 144

Seq. No. 951
Gene No. 1996
Start 16707
Name OJ990903_20.9A29.C19.o5.tw
Start 8131
GI none
Exons 8131..8439, 8134..8439, 17004..17150, 17004..17312

Seq. ID OJ990903_20.9A29.C19
Strand -
End 18890
Method TBLASTX:Wheat
End 17312
Score 99

Seq. No. 951
Gene No. 1996
Start 16707
Name OJ990903_20.9A29.C19.o9.tm
Start 8629
GI none
Exons 8629..8853, 8630..8854, 8869..8961, 8878..8973, 18033..18263,

Seq. ID OJ990903_20.9A29.C19
Strand -
End 18890
Method TBLASTX:Maize
End 18374
Score 118

18279..18374

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-
Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o2.tw	Method	TBLASTX:Wheat
Start	9076	End	18869
GI	none	Score	56
Exons	9076..9126, 9077..9127, 9163..9393, 9164..9352, 9283..9384, 18477..18518, 18504..18533, 18505..18558, 18564..18731, 18565..18726, 18684..18869		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-
Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o8.tm	Method	TBLASTX:Maize
Start	9152	End	18731
GI	none	Score	94
Exons	9152..9349, 9163..9387, 18564..18731, 18565..18720		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-
Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o4.tm	Method	TBLASTX:Maize
Start	10347	End	10774
GI	none	Score	104
Exons	10347..10454, 10349..10453, 10479..10751, 10490..10774		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-
Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o5.tc	Method	TBLASTX:Cress
Start	10407	End	10829
GI	none	Score	183
Exons	10407..10829		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-
Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o8.tw	Method	TBLASTX:Wheat
Start	10596	End	10829
GI	none	Score	184
Exons	10596..10829, 10622..10816		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-
Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o6.tw	Method	TBLASTX:Wheat
Start	11144	End	11529
GI	none	Score	101
Exons	11144..11245, 11175..11291, 11187..11246, 11249..11524, 11292..11405, 11344..11529		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-
Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o10.tm	Method	TBLASTX:Maize

Start 11249
GI none
Exons 11249..11524

End 11524
Score 208

Seq. No. 951
Gene No. 1996
Start 16707
Name OJ990903_20.9A29.C19.o6.ts
Start 11615
GI none
Exons 11615..11716, 11726..11833, 11849..12028

Seq. ID OJ990903_20.9A29.C19
Strand -
End 18890
Method TBLASTX:Soybean
End 12028
Score 92

Seq. No. 951
Gene No. 1996
Start 16707
Name OJ990903_20.9A29.C19.o7.tm
Start 11840
GI none
Exons 11840..11908, 12023..12472, 12034..12186

Seq. ID OJ990903_20.9A29.C19
Strand -
End 18890
Method TBLASTX:Maize
End 12472
Score 78

Seq. No. 951
Gene No. 1996
Start 16707
Name OJ990903_20.9A29.C19.o4.tw
Start 11846
GI none
Exons 11846..12019, 11866..12018, 12044..12238, 12242..12307, 12311..12451

Seq. ID OJ990903_20.9A29.C19
Strand -
End 18890
Method TBLASTX:Wheat
End 12451
Score 155

Seq. No. 951
Gene No. 1996
Start 16707
Name OJ990903_20.9A29.C19.o2.tc
Start 12023
GI none
Exons 12023..12487, 12035..12313

Seq. ID OJ990903_20.9A29.C19
Strand -
End 18890
Method TBLASTX:Cress
End 12487
Score 356

Seq. No. 951
Gene No. 1996
Start 16707
Name OJ990903_20.9A29.C19.o5.ts
Start 12050
GI none
Exons 12050..12469

Seq. ID OJ990903_20.9A29.C19
Strand -
End 18890
Method TBLASTX:Soybean
End 12469
Score 273

Seq. No. 951
Gene No. 1996
Start 16707
Name OJ990903_20.9A29.C19.o3.ts
Start 13047
GI 5509260
Exons 13047..13277, 13074..13229, 13258..13320, 13259..13534, 13360..13524

Seq. ID OJ990903_20.9A29.C19
Strand -
End 18890
Method TBLASTX:Soybean
End 13534
Score 96

GI Descrip. -

Seq. No. 951
Gene No. 1996

Seq. ID OJ990903_20.9A29.C19
Strand -

Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o3.tw	Method	TBLASTX:Wheat
Start	13255	End	13710
GI	none	Score	224
Exons	13255..13509, 13259..13516, 13361..13519, 13534..13710		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-
Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o3.tm	Method	TBLASTX:Maize
Start	13334	End	13770
GI	none	Score	209
Exons	13334..13531, 13348..13509, 13534..13770		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-
Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o3.tc	Method	TBLASTX:Cress
Start	13594	End	13845
GI	none	Score	202
Exons	13594..13839, 13660..13845		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-
Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o1.tw	Method	TBLASTX:Wheat
Start	13711	End	14148
GI	none	Score	455
Exons	13711..14148, 13711..14145		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-
Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o6.tm	Method	TBLASTX:Maize
Start	13825	End	14076
GI	none	Score	295
Exons	13825..14076, 13830..14039		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-
Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o2.ts	Method	TBLASTX:Soybean
Start	13912	End	14508
GI	none	Score	512
Exons	13912..14508, 13914..14066, 14101..14301, 14106..14507		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-
Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o2.tm	Method	TBLASTX:Maize
Start	14079	End	14502
GI	none	Score	159
Exons	14079..14213, 14080..14208, 14214..14435, 14215..14502, 14380..14502		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-

Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o4.tc	Method	TBLASTX:Cress
Start	14086	End	14535
GI	none	Score	67
Exons	14086..14175, 14185..14301, 14214..14300, 14340..14528, 14341..14535		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-
Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o11.tm	Method	TBLASTX:Maize
Start	14766	End	14963
GI	none	Score	206
Exons	14766..14963, 14778..14963		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-
Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o4.ts	Method	TBLASTX:Soybean
Start	14796	End	15185
GI	none	Score	172
Exons	14796..14966, 14799..14954, 14977..15027, 14978..15022, 15020..15136, 15137..15181, 15147..15185		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-
Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o3.np	Method	AAT/NAP
Start	16695	End	18890
GI	5921185	Score	963
Exons	16695..17347, 18014..18890		
GI Descrip.	CYTOCHROME P450 76C1 gi 2979548 gb AAC06157.1 (AC003680) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	951	Seq. ID	OJ990903_20.9A29.C19
Gene No.	1996	Strand	-
Start	16707	End	18890
Name	OJ990903_20.9A29.C19.o3.gs	Method	GENSCAN
Start	16707	End	18869
GI	none	Score	.97
Exons	16707..17312, 17973..18869		

Seq. No.	952	Seq. ID	OJ990323_15.9A11.C2
Gene No.	1997	Strand	+
Start	273	End	15939
Name	OJ990323_15.9A11.C2.o1.gs	Method	GENSCAN
Start	273	End	15915
GI	none	Score	.76
Exons	273..387, 1370..1446, 1963..2151, 3570..3750, 4591..4656, 4773..4894, 5361..5701, 5926..5998, 6532..6636, 6881..6978, 8268..8338, 9962..11423, 11671..13150, 13261..13425, 13535..13727, 13805..13916, 14005..14152, 14254..14451, 14537..14815, 14915..15076, 15233..15265, 15316..15393, 15784..15915		

Seq. No.	952	Seq. ID	OJ990323_15.9A11.C2
Gene No.	1997	Strand	+

Start	273	End	15939
Name	OJ990323_15.9A11.C2.o1.np	Method	AAT/NAP
Start	9973	End	15939
GI	3132825	Score	5669
Exons	9973..11423, 11671..13150, 13261..13425, 13535..13727, 13805..13916, 14005..14152, 14254..14451, 14537..14815, 14915..15076, 15175..15393, 15784..15939		
GI Descrip.	(AF063403) putative cytosine-5 DNA methyltransferase [Zea mays]		

Seq. No.	952	Seq. ID	OJ990323_15.9A11.C2
Gene No.	1998	Strand	+
Start	16615	End	16897
Name	OJ990323_15.9A11.C2.o5.tm	Method	TBLASTX:Maize
Start	3649	End	5603
GI	none	Score	91
Exons	3649..3750, 3649..3750, 3650..3751, 4437..4676, 4439..4654, 4441..4656, 5360..5467, 5361..5426, 5514..5603, 5522..5596		

Seq. No.	952	Seq. ID	OJ990323_15.9A11.C2
Gene No.	1998	Strand	+
Start	16615	End	16897
Name	OJ990323_15.9A11.C2.o1.tc	Method	TBLASTX:Cress
Start	10093	End	15912
GI	none	Score	116
Exons	10093..10227, 10125..10172, 10243..10671, 10251..10511, 10539..10667, 10668..10871, 10672..10809, 10933..11088, 10970..11107, 11086..11274, 11107..11265, 11112..11288, 11305..11394, 11322..11381, 11388..11426, 11389..11424, 11641..12123, 11672..12106, 11893..12108, 12077..12160, 12310..12411, 12314..12439, 12316..12447, 12398..12676, 12461..12841, 12517..12852, 12731..12841, 12971..13033, 13039..13158, 13040..13153, 13249..13428, 13564..13716, 13637..13732, 13803..13913, 13804..13917, 13984..14151, 14012..14152, 14250..14450, 14252..14455, 14253..14453, 14254..14454, 14528..14794, 14536..14658, 14536..14802, 14537..14794, 14734..14796, 14912..15079, 14914..15078, 14937..15089, 14997..15089, 15172..15393, 15174..15389, 15190..15393, 15296..15394, 15778..15912, 15783..15908		

Seq. No.	952	Seq. ID	OJ990323_15.9A11.C2
Gene No.	1998	Strand	+
Start	16615	End	16897
Name	OJ990323_15.9A11.C2.o6.tm	Method	TBLASTX:Maize
Start	11109	End	11244
GI	none	Score	75
Exons	11109..11237, 11110..11244, 11113..11244		

Seq. No.	952	Seq. ID	OJ990323_15.9A11.C2
Gene No.	1998	Strand	+
Start	16615	End	16897
Name	OJ990323_15.9A11.C2.o2.tm	Method	TBLASTX:Maize
Start	11823	End	12300
GI	none	Score	254
Exons	11823..12188, 11824..12153, 11825..12196, 11870..12154, 12271..12300		

Seq. No.	952	Seq. ID	OJ990323_15.9A11.C2
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Gene No.	1998	Strand	+
Start	16615	End	16897
Name	OJ990323_15.9A11.C2.o4.tm	Method	TBLASTX:Maize
Start	12675	End	13113
GI	none	Score	86
Exons	12675..12806, 12727..12843, 12728..12841, 12827..13111, 12845..13111, 12880..13113		

Seq. No.	952	Seq. ID	OJ990323_15.9A11.C2
Gene No.	1998	Strand	+
Start	16615	End	16897
Name	OJ990323_15.9A11.C2.o4.ts	Method	TBLASTX:Soybean
Start	12970	End	13344
GI	none	Score	173
Exons	12970..13026, 12971..13153, 13069..13152, 13249..13344, 13249..13338		

Seq. No.	952	Seq. ID	OJ990323_15.9A11.C2
Gene No.	1998	Strand	+
Start	16615	End	16897
Name	OJ990323_15.9A11.C2.o3.tm	Method	TBLASTX:Maize
Start	13294	End	13917
GI	none	Score	161
Exons	13294..13428, 13294..13425, 13525..13728, 13532..13732, 13587..13736, 13792..13917, 13792..13911, 13803..13916		

Seq. No.	952	Seq. ID	OJ990323_15.9A11.C2
Gene No.	1998	Strand	+
Start	16615	End	16897
Name	OJ990323_15.9A11.C2.o1.ts	Method	TBLASTX:Soybean
Start	13825	End	14622
GI	none	Score	137
Exons	13825..13917, 13827..13913, 13984..14148, 14003..14167, 14005..14061, 14012..14152, 14110..14160, 14253..14453, 14253..14444, 14254..14454, 14533..14622, 14536..14607, 14537..14617		

Seq. No.	952	Seq. ID	OJ990323_15.9A11.C2
Gene No.	1998	Strand	+
Start	16615	End	16897
Name	OJ990323_15.9A11.C2.o1.tm	Method	TBLASTX:Maize
Start	14005	End	15912
GI	none	Score	220
Exons	14005..14151, 14006..14167, 14012..14152, 14250..14450, 14252..14452, 14253..14453, 14254..14454, 14535..14651, 14536..14808, 14537..14815, 14691..14843, 14902..15078, 14909..15079, 15172..15393, 15172..15384, 15174..15395, 15174..15389, 15771..15896, 15778..15912, 15780..15902, 15781..15903		

Seq. No.	952	Seq. ID	OJ990323_15.9A11.C2
Gene No.	1998	Strand	+
Start	16615	End	16897
Name	OJ990323_15.9A11.C2.o3.ts	Method	TBLASTX:Soybean
Start	14627	End	15022
GI	none	Score	238
Exons	14627..14872, 14629..14796, 14909..14977, 14939..15022		

Seq. No.	952	Seq. ID	OJ990323_15.9A11.C2
Gene No.	1998	Strand	+
Start	16615	End	16897
Name	OJ990323_15.9A11.C2.o2.ts	Method	TBLASTX:Soybean
Start	15053	End	15371
GI	none	Score	43
Exons	15053..15079, 15053..15079, 15169..15369, 15172..15369, 15177..15371		

Seq. No.	952	Seq. ID	OJ990323_15.9A11.C2
Gene No.	1998	Strand	+
Start	16615	End	16897
Name	OJ990323_15.9A11.C2.o1.tw	Method	TBLASTX:Wheat
Start	15198	End	15971
GI	none	Score	367
Exons	15198..15392, 15199..15393, 15200..15394, 15200..15394, 15778..15909, 15782..15922, 15783..15920, 15942..15971		

Seq. No.	952	Seq. ID	OJ990323_15.9A11.C2
Gene No.	1998	Strand	+
Start	16615	End	16897
Name	OJ990323_15.9A11.C2.o2.gs	Method	GENSCAN
Start	16615	End	16897
GI	none	Score	.98
Exons	16615..16743, 16745..16897		

Seq. No.	953	Seq. ID	OJ990323_15.9A11.C3
Gene No.	1999	Strand	+
Start	47	End	196
Name	OJ990323_15.9A11.C3.o1.gs	Method	GENSCAN
Start	47	End	196
GI	none	Score	.85
Exons	47..196		

Seq. No.	953	Seq. ID	OJ990323_15.9A11.C3
Gene No.	2000	Strand	+
Start	3144	End	6041
Name	OJ990323_15.9A11.C3.o1.np	Method	AAT/NAP
Start	3144	End	6041
GI	4894963	Score	331
Exons	3144..3162, 4593..4707, 4988..5329, 5410..5535, 5865..6041		
GI Descrip.	(AF140553) DNA-binding protein WRKY3 [Avena sativa]		

Seq. No.	953	Seq. ID	OJ990323_15.9A11.C3
Gene No.	2000	Strand	+
Start	3144	End	6041
Name	OJ990323_15.9A11.C3.o3.gs	Method	GENSCAN
Start	4482	End	6033
GI	none	Score	.56
Exons	4482..5329, 5410..5535, 5865..6033		

Seq. No.	953	Seq. ID	OJ990323_15.9A11.C3
Gene No.	2001	Strand	-
Start	284	End	977
Name	OJ990323_15.9A11.C3.o2.gs	Method	GENSCAN
Start	284	End	977

GI none
Exons 284..400, 927..977

Score .46

Seq. No. 953
Gene No. 2002
Start 7944
Name OJ990323_15.9A11.C3.o2.ts
Start 5274
GI none
Exons 5274..5330, 5390..5536, 5404..

Seq. ID OJ990323_15.9A11.C3
Strand -
End 11911
Method TBLASTX:Soybean
End 5979
Score 44
5535, 5862..5954, 5863..5979

Seq. No. 953
Gene No. 2002
Start 7944
Name OJ990323_15.9A11.C3.o2.tc
Start 5298
GI none
Exons 5298..5333, 5392..5529, 5405..

Seq. ID OJ990323_15.9A11.C3
Strand -
End 11911
Method TBLASTX:Cress
End 5982
Score 50
5536, 5407..5532, 5863..5982,
5865..5969

Seq. No. 953
Gene No. 2002
Start 7944
Name OJ990323_15.9A11.C3.o2.tw
Start 5301
GI none
Exons 5301..5342, 5390..5536, 5407..

Seq. ID OJ990323_15.9A11.C3
Strand -
End 11911
Method TBLASTX:Wheat
End 5976
Score 55
5535, 5862..5975, 5862..5975,
5863..5976

Seq. No. 953
Gene No. 2002
Start 7944
Name OJ990323_15.9A11.C3.o4.gs
Start 7944
GI none
Exons 7944..8000, 8293..8447, 8638..

Seq. ID OJ990323_15.9A11.C3
Strand -
End 11911
Method GENSCAN
End 11911
Score .73
8833, 9182..9244, 10356..10652,
10761..11070, 11598..11911

Seq. No. 953
Gene No. 2002
Start 7944
Name OJ990323_15.9A11.C3.o1.gp
Start 8387
GI 4716303
Exons 8387..8833, 10356..10386

Seq. ID OJ990323_15.9A11.C3
Strand -
End 11911
Method AAT/GAP
End 10386
Score 877

GI Descrip. 2982268 1.0e-46 (AF051217) probable 40S ribosomal protein S15
[Picea mariana]

Seq. No. 953
Gene No. 2002
Start 7944
Name OJ990323_15.9A11.C3.o1.tc
Start 8557
GI none
Exons 8557..8637, 8564..8839, 8586..

Seq. ID OJ990323_15.9A11.C3
Strand -
End 11911
Method TBLASTX:Cress
End 10617
Score 396
8849, 8737..8841, 10345..10416,
10356..10415, 10495..10617, 10518..10610

Seq. No.	953	Seq. ID	OJ990323_15.9A11.C3
Gene No.	2002	Strand	-
Start	7944	End	11911
Name	OJ990323_15.9A11.C3.o1.tw	Method	TBLASTX:Wheat
Start	8561	End	10611
GI	none	Score	377
Exons	8561..8839, 8583..8849, 8585..8869, 8592..8840, 8737..8856, 10356..10415, 10356..10415, 10357..10428, 10491..10529, 10495..10611, 10515..10610		

Seq. No.	953	Seq. ID	OJ990323_15.9A11.C3
Gene No.	2002	Strand	-
Start	7944	End	11911
Name	OJ990323_15.9A11.C3.o1.tm	Method	TBLASTX:Maize
Start	8562	End	10617
GI	none	Score	416
Exons	8562..8849, 8567..8869, 8567..8839, 8746..8856, 10356..10415, 10356..10415, 10357..10416, 10480..10617, 10515..10610		

Seq. No.	953	Seq. ID	OJ990323_15.9A11.C3
Gene No.	2002	Strand	-
Start	7944	End	11911
Name	OJ990323_15.9A11.C3.o1.ts	Method	TBLASTX:Soybean
Start	8576	End	10617
GI	none	Score	348
Exons	8576..8839, 8586..8849, 10345..10428, 10356..10415, 10492..10617, 10518..10610		

Seq. No.	953	Seq. ID	OJ990323_15.9A11.C3
Gene No.	2002	Strand	-
Start	7944	End	11911
Name	OJ990323_15.9A11.C3.o2.np	Method	AAT/NAP
Start	8588	End	10649
GI	730645	Score	631
Exons	8588..8833, 10356..10413, 10498..10649		
GI Descrip.	40S RIBOSOMAL PROTEIN S15 gi 629556 pir S43412 ribosomal protein S15 - Arabidopsis thaliana gi 313152 emb CAA80679 (Z23161) ribosomal protein S15 [Arabidopsis thaliana] gi 313188 emb CAA80681 (Z23162) ribosomal protein S15 [Arabidopsis thaliana] gi 1903366 gb AAB70449 (AC000104) Strong similarity to Oryza 40S ribosomal protein S15. ESTs gb R29788,gb ATTS0365 com		

Seq. No.	953	Seq. ID	OJ990323_15.9A11.C3
Gene No.	2002	Strand	-
Start	7944	End	11911
Name	OJ990323_15.9A11.C3.o3.gp	Method	AAT/GAP
Start	10356	End	10831
GI	392_1.R1084	Score	475
Exons	10356..10413, 10498..10652, 10761..10831		
GI Descrip.	'2982268 4.0e-70 (AF051217) probable 40S ribosomal protein S15 [Picea mariana]'		

Seq. No.	954	Seq. ID	OJ990323_15.9A11.C4
Gene No.	2003	Strand	+
Start	8306	End	8682
Name	OJ990323_15.9A11.C4.o2.gs	Method	GENSCAN

Start	8306	End	8682
GI	none	Score	.88
Exons	8306..8420, 8456..8682		

Seq. No.	954	Seq. ID	OJ990323_15.9A11.C4
Gene No.	2004	Strand	+
Start	9142	End	10313
Name	OJ990323_15.9A11.C4.o1.gp	Method	AAT/GAP
Start	9042	End	10055
GI	24136_1.R1084	Score	1725
Exons	9042..9318, 9399..10055		
GI Descrip.	'2641211 3.0e-25 (AF031547) histone-like protein [Fritillaria agrestis]'		

Seq. No.	954	Seq. ID	OJ990323_15.9A11.C4
Gene No.	2004	Strand	+
Start	9142	End	10313
Name	OJ990323_15.9A11.C4.o1.np	Method	AAT/NAP
Start	9142	End	10100
GI	5230785	Score	564
Exons	9142..9318, 9399..9871, 9932..10100		
GI Descrip.	(AF107024) histone H1 WH1B.1 [Triticum aestivum]		

Seq. No.	954	Seq. ID	OJ990323_15.9A11.C4
Gene No.	2004	Strand	+
Start	9142	End	10313
Name	OJ990323_15.9A11.C4.o3.gs	Method	GENSCAN
Start	9142	End	10313
GI	none	Score	.57
Exons	9142..9318, 9399..10099, 10187..10313		

Seq. No.	954	Seq. ID	OJ990323_15.9A11.C4
Gene No.	2005	Strand	-
Start	11075	End	11281
Name	OJ990323_15.9A11.C4.o4.gs	Method	GENSCAN
Start	11075	End	11281
GI	none	Score	.51
Exons	11075..11281		

Seq. No.	954	Seq. ID	OJ990323_15.9A11.C4
Gene No.	2006	Strand	-
Start	11858	End	12054
Name	OJ990323_15.9A11.C4.o1.tm	Method	TBLASTX:Maize
Start	9136	End	9735
GI	none	Score	263
Exons	9136..9156, 9285..9329, 9396..9587, 9398..9586, 9712..9735		

Seq. No.	954	Seq. ID	OJ990323_15.9A11.C4
Gene No.	2006	Strand	-
Start	11858	End	12054
Name	OJ990323_15.9A11.C4.o1.tc	Method	TBLASTX:Cress
Start	9396	End	9593
GI	none	Score	187
Exons	9396..9593, 9398..9592		

Seq. No.	954	Seq. ID	OJ990323_15.9A11.C4
Gene No.	2006	Strand	-

Start	11858	End	12054
Name	OJ990323_15.9A11.C4.o1.tw	Method	TBLASTX:Wheat
Start	9396	End	9584
GI	none	Score	253
Exons	9396..9584, 9398..9583		

Seq. No.	954	Seq. ID	OJ990323_15.9A11.C4
Gene No.	2006	Strand	-
Start	11858	End	12054
Name	OJ990323_15.9A11.C4.o1.ts	Method	TBLASTX:Soybean
Start	9396	End	9596
GI	none	Score	116
Exons	9396..9500, 9407..9484, 9492..9596, 9494..9592		

Seq. No.	954	Seq. ID	OJ990323_15.9A11.C4
Gene No.	2006	Strand	-
Start	11858	End	12054
Name	OJ990323_15.9A11.C4.o2.gp	Method	AAT/GAP
Start	11858	End	12054
GI	24989_1.R1084	Score	314
Exons	11858..12054		
GI Descrip.	'5042437/gb AC007789.1 AC007789 2.0e-13 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2007	Strand	+
Start	86	End	5124
Name	OJ990323_15.9A11.C5.o1.gs	Method	GENSCAN
Start	86	End	5124
GI	none	Score	.76
Exons	86..145, 499..617, 1752..2178, 3259..3345, 3743..3853, 4226..4426, 4456..4576, 5081..5124		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2007	Strand	+
Start	86	End	5124
Name	OJ990323_15.9A11.C5.o1.gp	Method	AAT/GAP
Start	303	End	1924
GI	none	Score	874
Exons	303..588, 1752..1924		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2007	Strand	+
Start	86	End	5124
Name	OJ990323_15.9A11.C5.o1.np	Method	AAT/NAP
Start	1732	End	4468
GI	6175167	Score	231
Exons	1732..1855, 1919..2056, 2619..2694, 3038..3131, 3259..3330, 3743..3853, 4226..4468		
GI Descrip.	(AC011437) unknown protein [Arabidopsis thaliana]		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2007	Strand	+
Start	86	End	5124
Name	OJ990323_15.9A11.C5.o2.gp	Method	AAT/GAP
Start	3233	End	4765
GI	67563_1.R1084	Score	1350

Exons 2323..3331, 3743..3853, 4226..4765
 GI Descrip. '4510381/gb|AAD21469.1| 3.0e-14 (AC007017) unknown protein
 [Arabidopsis thaliana]'

Seq. No. 955 Seq. ID OJ990323_15.9A11.C5
 Gene No. 2008 Strand +
 Start 6720 End 8804
 Name OJ990323_15.9A11.C5.o2.np Method AAT/NAP
 Start 6516 End 8804
 GI 5882740 Score 419
 Exons 6516..7134, 7732..8193, 8293..8524, 8600..8804
 GI Descrip. (AC008263) F25A4.20 [Arabidopsis thaliana]
 gi|6646781|gb|AAF21093.1|AC013258_31 (AC013258) hypothetical
 protein [Arabidopsis thaliana]

Seq. No. 955 Seq. ID OJ990323_15.9A11.C5
 Gene No. 2008 Strand +
 Start 6720 End 8804
 Name OJ990323_15.9A11.C5.o2.gs Method GENSCAN
 Start 6720 End 8801
 GI none Score .69
 Exons 6720..7485, 7585..8801

Seq. No. 955 Seq. ID OJ990323_15.9A11.C5
 Gene No. 2009 Strand +
 Start 12292 End 13128
 Name OJ990323_15.9A11.C5.o4.gs Method GENSCAN
 Start 12292 End 13128
 GI none Score .54
 Exons 12292..12495, 12518..12793, 12871..13128

Seq. No. 955 Seq. ID OJ990323_15.9A11.C5
 Gene No. 2010 Strand +
 Start 16045 End 22986
 Name OJ990323_15.9A11.C5.o3.np Method AAT/NAP
 Start 16012 End 16795
 GI 6562256 Score 628
 Exons 16012..16346, 16439..16795
 GI Descrip. (AL132980) putative protein [Arabidopsis thaliana]

Seq. No. 955 Seq. ID OJ990323_15.9A11.C5
 Gene No. 2010 Strand +
 Start 16045 End 22986
 Name OJ990323_15.9A11.C5.o6.gs Method GENSCAN
 Start 16045 End 22986
 GI none Score .75
 Exons 16045..16278, 16418..16738, 18216..18315, 19326..19472,
 20684..21032, 21702..21770, 22267..22402, 22688..22710,
 22821..22986

Seq. No. 955 Seq. ID OJ990323_15.9A11.C5
 Gene No. 2010 Strand +
 Start 16045 End 22986
 Name OJ990323_15.9A11.C5.o4.np Method AAT/NAP
 Start 18228 End 22711
 GI 629783 Score 728
 Exons 18228..18315, 20684..21032, 21702..21770, 22267..22402,

22685..22711
 GI Descrip. ES43 protein - barley gi|1345528|emb|CAA54682| (X77575) ES43
 [Hordeum vulgare]

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2010	Strand	+
Start	16045	End	22986
Name	OJ990323_15.9A11.C5.o4.gp	Method	AAT/GAP
Start	20684	End	21033
GI	46243_1.R1084	Score	622
Exons	20684..21033		
GI Descrip.	'629783/pir S44281 3.0e-58 ES43 protein - barley >gi_1345528_emb_CAA54682_ (X77575) ES43 [Hordeum vulgare]'		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2011	Strand	+
Start	24315	End	30373
Name	OJ990323_15.9A11.C5.o7.gs	Method	GENSCAN
Start	24315	End	30373
GI	none	Score	.68
Exons	24315..24906, 25001..25092, 25735..25818, 26379..26456, 26753..26953, 27074..27181, 27398..27472, 27591..27783, 28781..29058, 30093..30373		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2011	Strand	+
Start	24315	End	30373
Name	OJ990323_15.9A11.C5.o5.np	Method	AAT/NAP
Start	24534	End	27472
GI	129021	Score	289
Exons	24534..24590, 24681..24871, 24979..25137, 26379..26456, 26753..26953, 27074..27181, 27398..27472		
GI Descrip.	SPO0B-ASSOCIATED GTP-BINDING PROTEIN gi 98326 pir B32804 GTP-binding protein, spo0B 3'-region - Bacillus subtilis gi 508979 (M24537) GTP-binding protein [Bacillus subtilis] gi 2635257 emb CAB14752 (Z99118) GTPase activity [Bacillus subtilis]		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2012	Strand	-
Start	10180	End	11191
Name	OJ990323_15.9A11.C5.o3.gs	Method	GENSCAN
Start	10180	End	11191
GI	none	Score	.4
Exons	10180..10403, 10528..10645, 10676..10764, 10935..11111, 11116..11191		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2013	Strand	-
Start	13986	End	14811
Name	OJ990323_15.9A11.C5.o5.gs	Method	GENSCAN
Start	13986	End	14811
GI	none	Score	.65
Exons	13986..14552, 14653..14811		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2014	Strand	-

Start	18085	End	18325
Name	OJ990323_15.9A11.C5.o3.gp	Method	AAT/GAP
Start	18085	End	18325
GI	46243_1.R1084	Score	416
Exons	18085..18325		
GI Descrip.	'629783/pir S44281 3.0e-58 ES43 protein - barley >gi_1345528_emb_CAA54682_ (X77575) ES43 [Hordeum vulgare]'		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2015	Strand	-
Start	22685	End	23069
Name	OJ990323_15.9A11.C5.o7.tm	Method	TBLASTX:Maize
Start	1774	End	4656
GI	none	Score	133
Exons	1774..1896, 1774..1899, 1786..1980, 1814..1999, 1858..2022, 1935..1997, 1994..2176, 2019..2177, 2029..2178, 2038..2172, 2614..2694, 3038..3076, 3043..3129, 3060..3131, 3060..3137, 3089..3148, 3256..3327, 3257..3283, 3739..3855, 3743..3853, 3800..3862, 4221..4271, 4222..4278, 4223..4270, 4260..4346, 4324..4530, 4332..4427, 4332..4544, 4333..4539, 4549..4614, 4632..4655, 4639..4656		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2015	Strand	-
Start	22685	End	23069
Name	OJ990323_15.9A11.C5.o1.tw	Method	TBLASTX:Wheat
Start	1792	End	2178
GI	none	Score	131
Exons	1792..1914, 1792..1905, 1807..2100, 1819..2079, 1905..2093, 2068..2178, 2083..2163, 2084..2176		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2015	Strand	-
Start	22685	End	23069
Name	OJ990323_15.9A11.C5.o8.tm	Method	TBLASTX:Maize
Start	6591	End	6836
GI	none	Score	220
Exons	6591..6767, 6593..6835, 6645..6836		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2015	Strand	-
Start	22685	End	23069
Name	OJ990323_15.9A11.C5.o3.ts	Method	TBLASTX:Soybean
Start	7797	End	8189
GI	none	Score	309
Exons	7797..8189, 7842..8093, 7922..8188		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2015	Strand	-
Start	22685	End	23069
Name	OJ990323_15.9A11.C5.o6.tm	Method	TBLASTX:Maize
Start	7890	End	8147
GI	none	Score	259
Exons	7890..8147, 7977..8093		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2015	Strand	-

Start	22685	End	23069
Name	OJ990323_15.9A11.C5.o2.tc	Method	TBLASTX:Cress
Start	7908	End	8783
GI	none	Score	248
Exons	7908..8165, 7980..8093, 7985..8125, 8613..8783		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2015	Strand	-
Start	22685	End	23069
Name	OJ990323_15.9A11.C5.o3.tc	Method	TBLASTX:Cress
Start	16035	End	16215
GI	none	Score	225
Exons	16035..16214, 16075..16215, 16096..16215		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2015	Strand	-
Start	22685	End	23069
Name	OJ990323_15.9A11.C5.o4.ts	Method	TBLASTX:Soybean
Start	16042	End	16797
GI	none	Score	307
Exons	16042..16278, 16043..16243, 16062..16253, 16450..16551, 16451..16558, 16579..16797, 16580..16783		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2015	Strand	-
Start	22685	End	23069
Name	OJ990323_15.9A11.C5.o4.tm	Method	TBLASTX:Maize
Start	16044	End	16588
GI	none	Score	170
Exons	16044..16268, 16044..16268, 16045..16278, 16045..16278, 16415..16588, 16416..16496, 16417..16587		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2015	Strand	-
Start	22685	End	23069
Name	OJ990323_15.9A11.C5.o5.tm	Method	TBLASTX:Maize
Start	16588	End	16806
GI	none	Score	254
Exons	16588..16806, 16589..16780, 16600..16806		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2015	Strand	-
Start	22685	End	23069
Name	OJ990323_15.9A11.C5.o1.tm	Method	TBLASTX:Maize
Start	18234	End	22405
GI	none	Score	82
Exons	18234..18323, 20677..21033, 20682..21035, 20685..21032, 20689..21033, 21681..21773, 21688..21783, 21703..21771, 21704..21772, 22254..22400, 22255..22404, 22266..22400, 22268..22405		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2015	Strand	-
Start	22685	End	23069
Name	OJ990323_15.9A11.C5.o1.tc	Method	TBLASTX:Cress
Start	20674	End	20958
GI	none	Score	70

Exons 20674..20757, 20682..20756, 20698..20958, 20724..20957,
20767..20958

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2015	Strand	-
Start	22685	End	23069
Name	OJ990323_15.9A11.C5.o1.ts	Method	TBLASTX:Soybean
Start	20676	End	21771
GI	none	Score	92
Exons	20676..20756, 20677..20793, 20776..21033, 20781..21035, 20799..21035, 21703..21771		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2015	Strand	-
Start	22685	End	23069
Name	OJ990323_15.9A11.C5.o5.gp	Method	AAT/GAP
Start	22685	End	23069
GI	none	Score	662
Exons	22685..23069		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2016	Strand	-
Start	24440	End	24864
Name	OJ990323_15.9A11.C5.o2.ts	Method	TBLASTX:Soybean
Start	24440	End	24860
GI	none	Score	130
Exons	24440..24490, 24507..24596, 24521..24592, 24677..24739, 24678..24860, 24799..24837		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2016	Strand	-
Start	24440	End	24864
Name	OJ990323_15.9A11.C5.o2.tm	Method	TBLASTX:Maize
Start	24527	End	24864
GI	none	Score	168
Exons	24527..24631, 24528..24668, 24675..24863, 24677..24808, 24768..24863, 24793..24864		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2017	Strand	-
Start	26858	End	27466
Name	OJ990323_15.9A11.C5.o5.ts	Method	TBLASTX:Soybean
Start	26858	End	27466
GI	none	Score	143
Exons	26858..26959, 26893..26949, 27071..27181, 27071..27181, 27395..27466		

Seq. No.	955	Seq. ID	OJ990323_15.9A11.C5
Gene No.	2018	Strand	-
Start	27397	End	27992
Name	OJ990323_15.9A11.C5.o3.tm	Method	TBLASTX:Maize
Start	27397	End	27992
GI	none	Score	112
Exons	27397..27471, 27398..27472, 27403..27474, 27585..27704, 27589..27789, 27589..27774, 27590..27790, 27591..27812, 27900..27980, 27908..27985, 27910..27984, 27915..27992		

Seq. No.	956	Seq. ID	OJ990323_14.9A18.C1
Gene No.	2019	Strand	-
Start	1	End	517
Name	OJ990323_14.9A18.C1.ol.np	Method	AAT/NAP
Start	1	End	517
GI	2498930	Score	886
Exons	1..517		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	956	Seq. ID	OJ990323_14.9A18.C1
Gene No.	2019	Strand	-
Start	1	End	517
Name	OJ990323_14.9A18.C1.ol.gs	Method	GENSCAN
Start	23	End	437
GI	none	Score	.72
Exons	23..437		

Seq. No.	957	Seq. ID	OJ990323_14.9A18.C2
Gene No.	2020	Strand	-
Start	1	End	161
Name	OJ990323_14.9A18.C2.ol.np	Method	AAT/NAP
Start	1	End	161
GI	2498930	Score	41
Exons	1..161		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	957	Seq. ID	OJ990323_14.9A18.C2
Gene No.	2021	Strand	-
Start	102	End	161
Name	OJ990323_14.9A18.C2.ol.gs	Method	GENSCAN
Start	102	End	161
GI	none	Score	.94
Exons	102..161		

Seq. No.	958	Seq. ID	OJ990323_14.9A18.C4
Gene No.	2022	Strand	+
Start	165	End	692
Name	OJ990323_14.9A18.C4.ol.tc	Method	TBLASTX:Cress
Start	39	End	205
GI	none	Score	208
Exons	39..203, 41..205, 44..205		

Seq. No.	958	Seq. ID	OJ990323_14.9A18.C4
Gene No.	2022	Strand	+
Start	165	End	692
Name	OJ990323_14.9A18.C4.ol.gs	Method	GENSCAN
Start	165	End	667
GI	none	Score	.87
Exons	165..667		

Seq. No.	958	Seq. ID	OJ990323_14.9A18.C4
Gene No.	2022	Strand	+
Start	165	End	692
Name	OJ990323_14.9A18.C4.ol.np	Method	AAT/NAP
Start	165	End	692

GI 5103193 Score 926
 Exons 165..692
 GI Descrip. (AP000342) transposase of Tn10 [Plasmid R100]
 gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left
 transposase [Shigella flexneri]

Seq. No. 959 Seq. ID OJ990323_14.9A18.C5
 Gene No. 2023 Strand +
 Start 95 End 445
 Name OJ990323_14.9A18.C5.o1.gs Method GENSCAN
 Start 95 End 445
 GI none Score .64
 Exons 95..445

Seq. No. 959 Seq. ID OJ990323_14.9A18.C5
 Gene No. 2024 Strand +
 Start 5689 End 9343
 Name OJ990323_14.9A18.C5.o3.gs Method GENSCAN
 Start 5689 End 9343
 GI none Score .76
 Exons 5689..5855, 5916..6120, 6122..6382, 6751..6963, 7012..7264,
 9186..9343

Seq. No. 959 Seq. ID OJ990323_14.9A18.C5
 Gene No. 2025 Strand -
 Start 277 End 3292
 Name OJ990323_14.9A18.C5.o1.gp Method AAT/GAP
 Start 277 End 737
 GI LIB3432-020-P1-K1-H7 Score 657
 Exons 277..380, 474..737
 GI Descrip. '1655637/emb|CAA90889| 5.0e-37 (Z54179) orf [Mus musculus]'

Seq. No. 959 Seq. ID OJ990323_14.9A18.C5
 Gene No. 2025 Strand -
 Start 277 End 3292
 Name OJ990323_14.9A18.C5.o1.np Method AAT/NAP
 Start 459 End 2416
 GI 5138930 Score 741
 Exons 459..710, 1394..1635, 2241..2272, 2364..2416
 GI Descrip. (AF093680) transcription factor IIB [Homo sapiens]

Seq. No. 959 Seq. ID OJ990323_14.9A18.C5
 Gene No. 2025 Strand -
 Start 277 End 3292
 Name OJ990323_14.9A18.C5.o2.gs Method GENSCAN
 Start 1334 End 3292
 GI none Score .81
 Exons 1334..1357, 1394..1635, 2241..2272, 2996..3161, 3256..3292

Seq. No. 959 Seq. ID OJ990323_14.9A18.C5
 Gene No. 2025 Strand -
 Start 277 End 3292
 Name OJ990323_14.9A18.C5.o2.gp Method AAT/GAP
 Start 1448 End 3134
 GI 3061139 Score 731
 Exons 1448..1635, 2241..2272, 2364..2457, 2996..3134
 GI Descrip. 1655637/emb|CAA90889| 2.0e-16 (Z54179) orf [Mus musculus]

Seq. No.	959	Seq. ID	OJ990323_14.9A18.C5
Gene No.	2026	Strand	-
Start	3867	End	6315
Name	OJ990323_14.9A18.C5.o1.ts	Method	TBLASTX:Soybean
Start	471	End	2419
GI	none	Score	149
Exons	471..707, 471..710, 538..708, 1388..1630, 1389..1640, 2242..2292, 2243..2281, 2358..2417, 2363..2419		

Seq. No.	959	Seq. ID	OJ990323_14.9A18.C5
Gene No.	2026	Strand	-
Start	3867	End	6315
Name	OJ990323_14.9A18.C5.o1.tm	Method	TBLASTX:Maize
Start	543	End	2420
GI	none	Score	162
Exons	543..716, 543..716, 544..717, 559..744, 1377..1640, 1394..1645, 1394..1630, 1561..1644, 2238..2282, 2241..2273, 2362..2415, 2363..2416, 2364..2420, 2367..2420		

Seq. No.	959	Seq. ID	OJ990323_14.9A18.C5
Gene No.	2026	Strand	-
Start	3867	End	6315
Name	OJ990323_14.9A18.C5.o3.gp	Method	AAT/GAP
Start	3867	End	6315
GI	34257_1.R1084	Score	1028
Exons	3867..4018, 5645..5903, 6181..6315		
GI Descrip.	'1655637/emb CAA90889 2.0e-16 (Z54179) orf [Mus musculus]'		

Seq. No.	960	Seq. ID	OJ990323_14.9A18.C6
Gene No.	2027	Strand	-
Start	249	End	1205
Name	OJ990323_14.9A18.C6.o1.gs	Method	GENSCAN
Start	249	End	1205
GI	none	Score	.66
Exons	249..390, 874..979, 1145..1205		

Seq. No.	960	Seq. ID	OJ990323_14.9A18.C6
Gene No.	2027	Strand	-
Start	249	End	1205
Name	OJ990323_14.9A18.C6.o1.gp	Method	AAT/GAP
Start	591	End	1024
GI	none	Score	818
Exons	591..1024		

Seq. No.	961	Seq. ID	OJ990323_14.9A18.C7
Gene No.	2028	Strand	+
Start	72	End	4201
Name	OJ990323_14.9A18.C7.o1.gs	Method	GENSCAN
Start	72	End	4201
GI	none	Score	.71
Exons	72..664, 1287..1514, 2093..2340, 2484..2580, 3450..3637, 4143..4201		

Seq. No.	961	Seq. ID	OJ990323_14.9A18.C7
Gene No.	2028	Strand	+
Start	72	End	4201

Name	OJ990323_14.9A18.C7.o1.tm	Method	TBLASTX:Maize
Start	1284	End	2580
GI	none	Score	249
Exons	1284..1517, 1284..1517, 2078..2170, 2285..2380, 2293..2367, 2481..2546, 2481..2579, 2482..2580		

Seq. No.	961	Seq. ID	OJ990323_14.9A18.C7
Gene No.	2028	Strand	+
Start	72	End	4201
Name	OJ990323_14.9A18.C7.o1.np	Method	AAT/NAP
Start	2151	End	2605
GI	3618320	Score	84
Exons	2151..2367, 2484..2605		
GI Descrip.	(AB001888) zinc finger protein [Oryza sativa]		

Seq. No.	962	Seq. ID	OJ990323_14.9A18.C8
Gene No.	2029	Strand	+
Start	1	End	6379
Name	OJ990323_14.9A18.C8.o1.np	Method	AAT/NAP
Start	1	End	6264
GI	3776557	Score	1138
Exons	1..66, 1355..1505, 2425..2476, 2550..2605, 2864..3022, 3125..3234, 3552..3775, 3940..4048, 4330..4489, 4636..4979, 5153..5266, 5559..5644, 5781..5896, 6077..6264		
GI Descrip.	(AC005388) Contains similarity to gi 2924495 hypothetical protein Rv1920 from Mycobacterium tuberculosis genome gb AL022020. [Arabidopsis thaliana]		

Seq. No.	962	Seq. ID	OJ990323_14.9A18.C8
Gene No.	2029	Strand	+
Start	1	End	6379
Name	OJ990323_14.9A18.C8.o1.gs	Method	GENSCAN
Start	1220	End	6267
GI	none	Score	.84
Exons	1220..1505, 2425..2476, 2550..2605, 3125..3229, 3457..3563, 3654..3775, 3940..4048, 4330..4460, 4610..4979, 5153..5266, 5559..5644, 5787..5896, 6077..6267		

Seq. No.	962	Seq. ID	OJ990323_14.9A18.C8
Gene No.	2029	Strand	+
Start	1	End	6379
Name	OJ990323_14.9A18.C8.o1.gp	Method	AAT/GAP
Start	5570	End	6379
GI	LIB3434-025-P1-K1-E4	Score	1012
Exons	5570..5644, 5734..5896, 6077..6379		
GI Descrip.	'3776557 4.0e-24 (AC005388) Contains similarity to gi_2924495 hypothetical protein Rv1920 from Mycobacterium tuberculosis genome gb_AL022020. [Arabidopsis thaliana]'		

Seq. No.	962	Seq. ID	OJ990323_14.9A18.C8
Gene No.	2030	Strand	-
Start	6839	End	10841
Name	OJ990323_14.9A18.C8.o4.ts	Method	TBLASTX:Soybean
Start	2866	End	3710
GI	none	Score	187
Exons	2866..3021, 2919..3056, 3642..3710		

Seq. No. 962
 Gene No. 2030
 Start 6839
 Name OJ990323_14.9A18.C8.o2.ts
 Start 4330
 GI none
 Exons 4330..4434, 4593..4853, 4622..4756

Seq. ID OJ990323_14.9A18.C8
 Strand -
 End 10841
 Method TBLASTX:Soybean
 End 4853
 Score 91

Seq. No. 962
 Gene No. 2030
 Start 6839
 Name OJ990323_14.9A18.C8.o2.tc
 Start 4734
 GI none
 Exons 4734..4841, 4812..4979, 4859..4978, 5150..5272, 5152..5259

Seq. ID OJ990323_14.9A18.C8
 Strand -
 End 10841
 Method TBLASTX:Cress
 End 5272
 Score 91

Seq. No. 962
 Gene No. 2030
 Start 6839
 Name OJ990323_14.9A18.C8.o3.ts
 Start 5821
 GI none
 Exons 5821..5898, 6076..6261

Seq. ID OJ990323_14.9A18.C8
 Strand -
 End 10841
 Method TBLASTX:Soybean
 End 6261
 Score 93

Seq. No. 962
 Gene No. 2030
 Start 6839
 Name OJ990323_14.9A18.C8.o1.tc
 Start 6076
 GI none
 Exons 6076..6261, 6118..6261

Seq. ID OJ990323_14.9A18.C8
 Strand -
 End 10841
 Method TBLASTX:Cress
 End 6261
 Score 208

Seq. No. 962
 Gene No. 2030
 Start 6839
 Name OJ990323_14.9A18.C8.o3.tm
 Start 6113
 GI none
 Exons 6113..6259, 6118..6279, 6118..6267

Seq. ID OJ990323_14.9A18.C8
 Strand -
 End 10841
 Method TBLASTX:Maize
 End 6279
 Score 206

Seq. No. 962
 Gene No. 2030
 Start 6839
 Name OJ990323_14.9A18.C8.o2.gp
 Start 6781
 GI none
 Exons 6781..6895, 7231..7541

Seq. ID OJ990323_14.9A18.C8
 Strand -
 End 10841
 Method AAT/GAP
 End 7541
 Score 795

Seq. No. 962
 Gene No. 2030
 Start 6839
 Name OJ990323_14.9A18.C8.o1.tm
 Start 6833
 GI none
 Exons 6833..6898, 6837..6896, 6838..6897, 7228..7482, 7229..7396, 7233..7448, 7426..7635, 7444..7599, 7604..7666, 7609..7665, 8801..8899, 8810..8887, 8818..8898

Seq. ID OJ990323_14.9A18.C8
 Strand -
 End 10841
 Method TBLASTX:Maize
 End 8899
 Score 96

Seq. No.	962	Seq. ID	OJ990323_14.9A18.C8
Gene No.	2030	Strand	-
Start	6839	End	10841
Name	OJ990323_14.9A18.C8.o2.gs	Method	GENSCAN
Start	6839	End	10829
GI	none	Score	.87
Exons	6839..6895, 7231..7667, 8604..8769, 8818..8898, 9292..9543, 9642..10829		

Seq. No.	962	Seq. ID	OJ990323_14.9A18.C8
Gene No.	2030	Strand	-
Start	6839	End	10841
Name	OJ990323_14.9A18.C8.o3.gp	Method	AAT/GAP
Start	8379	End	8724
GI	none	Score	644
Exons	8379..8724		

Seq. No.	962	Seq. ID	OJ990323_14.9A18.C8
Gene No.	2030	Strand	-
Start	6839	End	10841
Name	OJ990323_14.9A18.C8.o1.ts	Method	TBLASTX:Soybean
Start	9295	End	9774
GI	none	Score	41
Exons	9295..9546, 9302..9334, 9407..9553, 9642..9773, 9646..9774		

Seq. No.	962	Seq. ID	OJ990323_14.9A18.C8
Gene No.	2030	Strand	-
Start	6839	End	10841
Name	OJ990323_14.9A18.C8.o2.tm	Method	TBLASTX:Maize
Start	10173	End	10841
GI	none	Score	91
Exons	10173..10460, 10173..10457, 10210..10464, 10210..10461, 10425..10829, 10432..10758, 10473..10841		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2031	Strand	+
Start	8611	End	9572
Name	OJ990323_14.9A18.C9.o3.gs	Method	GENSCAN
Start	8611	End	9572
GI	none	Score	.73
Exons	8611..8726, 9074..9572		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2032	Strand	-
Start	1893	End	2256
Name	OJ990323_14.9A18.C9.o1.gs	Method	GENSCAN
Start	1893	End	2256
GI	none	Score	.61
Exons	1893..2015, 2086..2256		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2033	Strand	-
Start	3796	End	9469
Name	OJ990323_14.9A18.C9.o1.gp	Method	AAT/GAP
Start	3796	End	4731
GI	38680_1.R1084	Score	847

Exons 3796..3987, 4462..4731
 GI Descrip. '2459431 3.0e-19 (AC002332) unknown protein [Arabidopsis thaliana]'

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2033	Strand	-
Start	3796	End	9469
Name	OJ990323_14.9A18.C9.o2.gs	Method	GENSCAN
Start	4463	End	8318
GI	none	Score	.78
Exons	4463..5470, 5961..6194, 6301..6508, 6586..6614, 7266..7334, 7417..7478, 8258..8318		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2033	Strand	-
Start	3796	End	9469
Name	OJ990323_14.9A18.C9.o1.np	Method	AAT/NAP
Start	4469	End	9467
GI	2459431	Score	425
Exons	4469..4699, 4736..5014, 5050..5473, 5911..6194, 7417..7478, 7750..7824, 8258..8330, 9342..9467		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2033	Strand	-
Start	3796	End	9469
Name	OJ990323_14.9A18.C9.o2.gp	Method	AAT/GAP
Start	7295	End	9469
GI	426293	Score	642
Exons	7295..7334, 7417..7478, 7750..7824, 8258..8330, 9342..9469		
GI Descrip.	2459431 3.0e-19 (AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2034	Strand	-
Start	11468	End	17402
Name	OJ990323_14.9A18.C9.o3.gp	Method	AAT/GAP
Start	11157	End	14179
GI	21511 1.R1084	Score	1570
Exons	11157..11536, 12816..12930, 13010..13134, 13245..13283, 13689..13754, 13952..14024, 14101..14179		
GI Descrip.	'2459431 3.0e-19 (AC002332) unknown protein [Arabidopsis thaliana]'		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2034	Strand	-
Start	11468	End	17402
Name	OJ990323_14.9A18.C9.o4.gs	Method	GENSCAN
Start	11468	End	17040
GI	none	Score	.92
Exons	11468..11536, 12816..12930, 13010..13134, 13689..13754, 13952..14024, 14101..14234, 14646..14771, 15207..15293, 15410..15472, 15572..15598, 15670..15750, 16371..16529, 16954..17040		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2034	Strand	-

Start 11468 End 17402
 Name OJ990323_14.9A18.C9.o2.np Method AAT/NAP
 Start 11471 End 17229
 GI 3851001 Score 1380
 Exons 11471..11536, 12816..12930, 13010..13134, 13245..13283,
 13689..13754, 13952..14024, 14101..14234, 14646..14771,
 15207..15293, 15410..15472, 15572..15598, 15670..15750,
 16954..17040, 17191..17229
 GI Descrip. (AF069909) pyruvate dehydrogenase E1 beta subunit isoform 2 [Zea mays]

Seq. No. 963 Seq. ID OJ990323_14.9A18.C9
 Gene No. 2034 Strand -
 Start 11468 End 17402
 Name OJ990323_14.9A18.C9.o4.gp Method AAT/GAP
 Start 14657 End 14767
 GI LIB3479-008-Q6-K1-F9 Score 197
 Exons 14657..14767
 GI Descrip. '3850999/gb|AAC72192| 9.0e-09 (AF069908) pyruvate dehydrogenase E1 beta subunit isoform 1 [Zea mays]'

Seq. No. 963 Seq. ID OJ990323_14.9A18.C9
 Gene No. 2034 Strand -
 Start 11468 End 17402
 Name OJ990323_14.9A18.C9.o5.gp Method AAT/GAP
 Start 14796 End 17402
 GI 632_1.R1084 Score 958
 Exons 14796..14822, 15206..15293, 15410..15472, 15572..15598,
 15670..15750, 16954..17040, 17191..17402
 GI Descrip. '3851003/gb|AAC72194| 2.0e-38 (AF069910) pyruvate dehydrogenase E1 beta subunit isoform 3 [Zea mays]'

Seq. No. 963 Seq. ID OJ990323_14.9A18.C9
 Gene No. 2035 Strand -
 Start 19467 End 21045
 Name OJ990323_14.9A18.C9.o5.gs Method GENSCAN
 Start 19467 End 20827
 GI none Score .98
 Exons 19467..19724, 20242..20561, 20662..20827

Seq. No. 963 Seq. ID OJ990323_14.9A18.C9
 Gene No. 2035 Strand -
 Start 19467 End 21045
 Name OJ990323_14.9A18.C9.o3.np Method AAT/NAP
 Start 19646 End 20845
 GI 1418990 Score 252
 Exons 19646..19724, 20284..20561, 20662..20845
 GI Descrip. (Z75524) unknown [Lycopersicon esculentum]

Seq. No. 963 Seq. ID OJ990323_14.9A18.C9
 Gene No. 2035 Strand -
 Start 19467 End 21045
 Name OJ990323_14.9A18.C9.o6.gp Method AAT/GAP
 Start 20477 End 21045
 GI 8308_1.R1084 Score 861
 Exons 20477..20561, 20662..21045
 GI Descrip. '2459430 1.0e-11 (AC002332) putative CUC2 protein [Arabidopsis]

thaliana]'

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2036	Strand	-
Start	23650	End	26332
Name	OJ990323_14.9A18.C9.o7.gs	Method	GENSCAN
Start	23650	End	26332
GI	none	Score	.48
Exons	23650..23792, 24558..24606, 24740..24777, 25335..25382, 25652..25764, 26265..26332		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2036	Strand	-
Start	23650	End	26332
Name	OJ990323_14.9A18.C9.o4.np	Method	AAT/NAP
Start	23957	End	24272
GI	4538901	Score	60
Exons	23957..24272		
GI Descrip.	(AL049482) RNA-directed DNA polymerase-like protein [Arabidopsis thaliana]		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2037	Strand	-
Start	27418	End	27581
Name	OJ990323_14.9A18.C9.o1.tm	Method	TBLASTX:Maize
Start	4461	End	5131
GI	none	Score	138
Exons	4461..4562, 4462..4599, 4463..4600, 4577..4660, 4577..4663, 4605..4664, 4614..4664, 4621..4671, 4658..4690, 4659..4697, 4660..4878, 4691..4888, 4694..4855, 4695..4898, 4896..5081, 4900..5118, 4909..5076, 4952..5113, 5081..5131, 5086..5124		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2037	Strand	-
Start	27418	End	27581
Name	OJ990323_14.9A18.C9.o5.tm	Method	TBLASTX:Maize
Start	5133	End	5478
GI	none	Score	77
Exons	5133..5228, 5134..5241, 5134..5229, 5138..5242, 5138..5251, 5233..5472, 5243..5473, 5249..5461, 5284..5478		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2037	Strand	-
Start	27418	End	27581
Name	OJ990323_14.9A18.C9.o2.ts	Method	TBLASTX:Soybean
Start	5357	End	7476
GI	none	Score	79
Exons	5357..5416, 5970..6032, 6054..6206, 6081..6164, 6112..6189, 6298..6510, 6302..6469, 6585..6641, 6586..6615, 7266..7334, 7411..7476		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2037	Strand	-
Start	27418	End	27581
Name	OJ990323_14.9A18.C9.o2.tm	Method	TBLASTX:Maize
Start	5987	End	6627
GI	none	Score	52

Exons 5987..6037, 6033..6206, 6036..6197, 6280..6510, 6289..6504,
6302..6511, 6305..6508, 6306..6509, 6306..6530, 6585..6626,
6587..6616, 6589..6627

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2037	Strand	-
Start	27418	End	27581
Name	OJ990323_14.9A18.C9.o2.tc	Method	TBLASTX:Cress
Start	6051	End	6450
GI	none	Score	79
Exons	6051..6206, 6112..6189, 6298..6450, 6305..6445.		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2037	Strand	-
Start	27418	End	27581
Name	OJ990323_14.9A18.C9.o4.tm	Method	TBLASTX:Maize
Start	11447	End	17229
GI	none	Score	180
Exons	11447..11539, 12782..12916, 12813..12929, 12814..12930, 12814..12930, 12976..13134, 12999..13124, 13002..13136, 13010..13135, 13012..13137, 13226..13288, 13234..13290, 13239..13301, 13239..13328, 13689..13754, 13690..13755, 13949..14023, 13956..14024, 14086..14235, 14094..14237, 14094..14237, 14140..14241, 14646..14816, 14647..14790, 15207..15296, 15208..15294, 15410..15475, 15411..15473, 15569..15601, 15573..15599, 15667..15753, 15670..15753, 17137..17229		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2037	Strand	-
Start	27418	End	27581
Name	OJ990323_14.9A18.C9.o3.ts	Method	TBLASTX:Soybean
Start	11468	End	15753
GI	none	Score	87
Exons	11468..11539, 11469..11540, 12813..12830, 12813..12869, 12814..12870, 12858..12926, 12859..12930, 12868..12930, 12872..12931, 12976..13134, 13013..13135, 13234..13284, 13239..13286, 13689..13754, 13693..13758, 13949..14023, 13953..14021, 14094..14240, 14094..14237, 14646..14816, 14695..14817, 15207..15296, 15208..15294, 15376..15465, 15410..15475, 15411..15473, 15569..15601, 15573..15599, 15667..15753, 15669..15731, 15670..15753		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2037	Strand	-
Start	27418	End	27581
Name	OJ990323_14.9A18.C9.o1.tc	Method	TBLASTX:Cress
Start	11492	End	15753
GI	none	Score	137
Exons	11492..11539, 12813..12926, 12820..12927, 12976..13134, 13011..13136, 13013..13135, 13021..13137, 13239..13328, 13240..13284, 13689..13754, 13693..13755, 13949..14023, 13956..14021, 13957..14022, 14094..14237, 14095..14235, 14109..14240, 14646..14777, 14646..14882, 14695..14817, 15207..15296, 15208..15294, 15410..15475, 15411..15473, 15569..15601, 15667..15753, 15670..15753		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2037	Strand	-
Start	27418	End	27581
Name	OJ990323_14.9A18.C9.o7.tm	Method	TBLASTX:Maize
Start	20425	End	20810
GI	none	Score	56
Exons	20425..20466, 20429..20467, 20521..20562, 20525..20569, 20657..20809, 20658..20810		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2037	Strand	-
Start	27418	End	27581
Name	OJ990323_14.9A18.C9.o2.tw	Method	TBLASTX:Wheat
Start	20657	End	20824
GI	none	Score	229
Exons	20657..20824, 20658..20819		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2037	Strand	-
Start	27418	End	27581
Name	OJ990323_14.9A18.C9.o8.tm	Method	TBLASTX:Maize
Start	23784	End	24107
GI	none	Score	68
Exons	23784..23903, 23916..23957, 23955..24107, 24013..24105		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2037	Strand	-
Start	27418	End	27581
Name	OJ990323_14.9A18.C9.o3.tw	Method	TBLASTX:Wheat
Start	23817	End	24168
GI	none	Score	79
Exons	23817..24128, 23911..24168		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2037	Strand	-
Start	27418	End	27581
Name	OJ990323_14.9A18.C9.o3.tm	Method	TBLASTX:Maize
Start	24294	End	24803
GI	none	Score	392
Exons	24294..24803, 24371..24481, 24387..24713		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2037	Strand	-
Start	27418	End	27581
Name	OJ990323_14.9A18.C9.o1.ts	Method	TBLASTX:Soybean
Start	24453	End	24980
GI	none	Score	265
Exons	24453..24806, 24572..24805, 24815..24952, 24816..24980		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2037	Strand	-
Start	27418	End	27581
Name	OJ990323_14.9A18.C9.o1.tw	Method	TBLASTX:Wheat
Start	24603	End	25154
GI	none	Score	272
Exons	24603..24965, 24698..24952, 24759..24962, 25056..25154		

Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2037	Strand	-
Start	27418	End	27581
Name	OJ990323_14.9A18.C9.o6.tm	Method	TBLASTX:Maize
Start	24815	End	25166
GI	none	Score	182
Exons	24815..25009, 24816..25010, 25011..25166		
Seq. No.	963	Seq. ID	OJ990323_14.9A18.C9
Gene No.	2037	Strand	-
Start	27418	End	27581
Name	OJ990323_14.9A18.C9.o8.gs	Method	GENSCAN
Start	27418	End	27581
GI	none	Score	.94
Exons	27418..27581		
Seq. No.	964	Seq. ID	OJ990323_14.9A18.C10
Gene No.	2038	Strand	+
Start	804	End	1060
Name	OJ990323_14.9A18.C10.o1.gs	Method	GENSCAN
Start	804	End	1060
GI	none	Score	.97
Exons	804..831, 861..1060		
Seq. No.	964	Seq. ID	OJ990323_14.9A18.C10
Gene No.	2039	Strand	+
Start	1520	End	4342
Name	OJ990323_14.9A18.C10.o2.gs	Method	GENSCAN
Start	1520	End	4342
GI	none	Score	.93
Exons	1520..1890, 2645..2742, 2838..2903, 3687..4342		
Seq. No.	964	Seq. ID	OJ990323_14.9A18.C10
Gene No.	2039	Strand	+
Start	1520	End	4342
Name	OJ990323_14.9A18.C10.o1.np	Method	AAT/NAP
Start	1614	End	3826
GI	6648175	Score	262
Exons	1614..1890, 2645..2742, 2838..2903, 3687..3826		
GI Descrip.	(AC010926) DAG-like protein [Arabidopsis thaliana]		
Seq. No.	964	Seq. ID	OJ990323_14.9A18.C10
Gene No.	2039	Strand	+
Start	1520	End	4342
Name	OJ990323_14.9A18.C10.o1.gp	Method	AAT/GAP
Start	2656	End	3988
GI	7664_1.R1084	Score	831
Exons	2656..2742, 2838..2903, 3687..3988		
GI Descrip.	'6014904/sp Q38732 DAG_ANTMA 5.0e-13 DAG PROTEIN, CHLOROPLAST PRECURSOR >gi_1200205_emb_CAA65064_ (X95753) DAG [Antirrhinum majus]'		
Seq. No.	964	Seq. ID	OJ990323_14.9A18.C10
Gene No.	2040	Strand	+
Start	5719	End	15046
Name	OJ990323_14.9A18.C10.o3.gs	Method	GENSCAN
Start	5719	End	15046

GI none Score .4
 Exons 5719..5924, 6973..7122, 7588..7817, 8150..8461, 9042..9295, 9444..9574, 10109..10163, 10639..10794, 12101..12169, 12700..12754, 12992..13057, 13331..13487, 14137..14213, 14352..15046

Seq. No. 964 Seq. ID OJ990323_14.9A18.C10
 Gene No. 2040 Strand +
 Start 5719 End 15046
 Name OJ990323_14.9A18.C10.o3.gp Method AAT/GAP
 Start 8860 End 11468
 GI 5806_1.R1084 Score 1308
 Exons 8860..8949, 9042..9137, 9221..9295, 9444..9574, 10109..10163, 10639..10794, 11215..11283, 11370..11468
 GI Descrip. '2088650 3.0e-34 (AF002109) peroxisomal ATP/ADP carrier protein isolog [Arabidopsis thaliana]'

Seq. No. 964 Seq. ID OJ990323_14.9A18.C10
 Gene No. 2040 Strand +
 Start 5719 End 15046
 Name OJ990323_14.9A18.C10.o2.np Method AAT/NAP
 Start 8869 End 13161
 GI 2088650 Score 725
 Exons 8869..8949, 9042..9110, 9212..9295, 9444..9574, 10109..10172, 10696..10794, 11215..11287, 11374..11477, 12101..12169, 12700..12754, 12992..13161
 GI Descrip. (AF002109) putative peroxisomal membrane carrier protein [Arabidopsis thaliana]

Seq. No. 964 Seq. ID OJ990323_14.9A18.C10
 Gene No. 2040 Strand +
 Start 5719 End 15046
 Name OJ990323_14.9A18.C10.o3.np Method AAT/NAP
 Start 14424 End 15024
 GI 6069646 Score 248
 Exons 14424..15024
 GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No. 964 Seq. ID OJ990323_14.9A18.C10
 Gene No. 2041 Strand -
 Start 4119 End 4553
 Name OJ990323_14.9A18.C10.o1.tm Method TBLASTX:Maize
 Start 1676 End 3736
 GI none Score 300
 Exons 1676..1888, 1696..1890, 1745..1897, 2613..2747, 2643..2747, 2831..2965, 2836..2904, 3685..3732, 3686..3736

Seq. No. 964 Seq. ID OJ990323_14.9A18.C10
 Gene No. 2041 Strand -
 Start 4119 End 4553
 Name OJ990323_14.9A18.C10.o1.ts Method TBLASTX:Soybean
 Start 1682 End 3988
 GI none Score 118

Exons 1682..1801, 1745..1801, 1834..1890, 1835..1888, 2613..2753,
2642..2716, 2824..2904, 2825..2908, 3678..3839, 3685..3849,
3685..3747, 3695..3874, 3935..3988

Seq. No. 964 Seq. ID OJ990323_14.9A18.C10
Gene No. 2041 Strand -
Start 4119 End 4553
Name OJ990323_14.9A18.C10.o1.tc Method TBLASTX:Cress
Start 1682 End 3844
GI none Score 187
Exons 1682..1801, 1699..1767, 1745..1801, 1834..1890, 1835..1888,
2613..2741, 2639..2743, 2642..2716, 2831..2908, 2835..2921,
2836..2904, 3685..3744, 3686..3748, 3689..3844

Seq. No. 964 Seq. ID OJ990323_14.9A18.C10
Gene No. 2041 Strand -
Start 4119 End 4553
Name OJ990323_14.9A18.C10.o1.tw Method TBLASTX:Wheat
Start 1787 End 3858
GI none Score 85
Exons 1787..1888, 1834..1890, 2613..2741, 2643..2741, 2651..2743,
2831..2908, 2835..2909, 2836..2904, 3681..3857, 3684..3824,
3685..3858, 3686..3847

Seq. No. 964 Seq. ID OJ990323_14.9A18.C10
Gene No. 2041 Strand -
Start 4119 End 4553
Name OJ990323_14.9A18.C10.o5.tm Method TBLASTX:Maize
Start 3737 End 4342
GI none Score 181
Exons 3737..3904, 3738..3896, 3739..3897, 3959..4006, 3974..4012,
4019..4120, 4027..4113, 4038..4121, 4059..4154, 4059..4160,
4063..4155, 4105..4173, 4167..4274, 4180..4197, 4200..4226,
4250..4288, 4274..4342

Seq. No. 964 Seq. ID OJ990323_14.9A18.C10
Gene No. 2041 Strand -
Start 4119 End 4553
Name OJ990323_14.9A18.C10.o2.gp Method AAT/GAP
Start 4119 End 4553
GI none Score 851
Exons 4119..4553

Seq. No. 964 Seq. ID OJ990323_14.9A18.C10
Gene No. 2042 Strand -
Start 9229 End 13194
Name OJ990323_14.9A18.C10.o4.tm Method TBLASTX:Maize
Start 9229 End 11486
GI none Score 110
Exons 9229..9294, 9230..9295, 9436..9591, 9443..9595, 9444..9575,
9527..9595, 10109..10162, 10110..10169, 10621..10794,
10637..10816, 10638..10793, 10705..10794, 11215..11286,
11216..11284, 11220..11285, 11368..11478, 11369..11479,
11370..11486

Seq. No. 964 Seq. ID OJ990323_14.9A18.C10
Gene No. 2042 Strand -

Start	9229	End	13194
Name	OJ990323_14.9A18.C10.o2.tc		Method TBLASTX:Cress
Start	11215	End	13152
GI	none	Score	109
Exons	11215..11289, 11217..11288, 11370..11444, 11370..11408, 12098..12178, 12103..12165, 12990..13097, 12991..13152, 13000..13119		

Seq. No.	964	Seq. ID	OJ990323_14.9A18.C10
Gene No.	2042	Strand	
Start	9229	End	13194
Name	OJ990323_14.9A18.C10.o3.tm	Method	TBLASTX:Maize
Start	12975	End	13194
GI	none	Score	253
Exons	12975..13193, 12979..13194		

Seq. No.	964	Seq. ID	OJ990323_14.9A18.C10
Gene No.	2042	Strand	
Start	9229	End	13194
Name	OJ990323_14.9A18.C10.o2.ts	Method	TBLASTX:Soybean
Start	12990	End	13164
GI	none	Score	209
Exons	12990..13163, 12991..13164		

Seq. No.	964	Seq. ID	OJ990323_14.9A18.C10
Gene No.	2043	Strand	
Start	14380	End	14785
Name	OJ990323_14.9A18.C10.o2.tm	Method	TBLASTX:Maize
Start	14380	End	14785
GI	none	Score	261
Exons	14380..14682, 14384..14695, 14702..14785		

Seq. No.	965	Seq. ID	OJ990323_14.9A18.C11
Gene No.	2044	Strand	+
Start	1	End	379
Name	OJ990323_14.9A18.C11.o1.np	Method	AAT/NAP
Start	1	End	379
GI	6069646	Score	177
Exons	1..379		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	965	Seq. ID	OJ990323_14.9A18.C11
Gene No.	2045	Strand	-
Start	2307	End	2736
Name	OJ990323_14.9A18.C11.o1.tm	Method	TBLASTX:Maize
Start	5	End	352
GI	none	Score	115
Exons	5..139, 161..352		

Seq. No.	965	Seq. ID	OJ990323_14.9A18.C11
Gene No.	2045	Strand	-
Start	2307	End	2736
Name	OJ990323_14.9A18.C11.o2.np	Method	AAT/NAP

Start	2307	End	2736
GI	6006381	Score	190
Exons	2307..2736		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	966	Seq. ID	OJ990323_14.9A18.C12
Gene No.	2046	Strand	-
Start	860	End	1000
Name	OJ990323_14.9A18.C12.o1.gs	Method	GENSCAN
Start	860	End	1000
GI	none	Score	.8
Exons	860..1000		

Seq. No.	967	Seq. ID	OJ990323_14.9A18.C13
Gene No.	2047	Strand	+
Start	43	End	246
Name	OJ990323_14.9A18.C13.o1.gs	Method	GENSCAN
Start	43	End	246
GI	none	Score	.86
Exons	43..246		

Seq. No.	967	Seq. ID	OJ990323_14.9A18.C13
Gene No.	2048	Strand	-
Start	1	End	171
Name	OJ990323_14.9A18.C13.o1.gp	Method	AAT/GAP
Start	1	End	171
GI	21511_1.R1084	Score	287
Exons	1..171		
GI Descrip.	'2459431 3.0e-19 (AC002332) unknown protein [Arabidopsis thaliana]'		

Seq. No.	968	Seq. ID	OJ990723_12.9A28.C1
Gene No.	2049	Strand	+
Start	1922	End	8148
Name	OJ990723_12.9A28.C1.o1.gs	Method	GENSCAN
Start	1922	End	8148
GI	none	Score	.65
Exons	1922..1963, 2185..3621, 3630..4363, 4480..5496, 5940..6040, 8120..8148		

Seq. No.	969	Seq. ID	OJ990723_12.9A28.C3
Gene No.	2050	Strand	-
Start	1487	End	1825
Name	OJ990723_12.9A28.C3.o1.gs	Method	GENSCAN
Start	1487	End	1825
GI	none	Score	.97
Exons	1487..1825		

Seq. No.	969	Seq. ID	OJ990723_12.9A28.C3
Gene No.	2051	Strand	-
Start	4402	End	6147
Name	OJ990723_12.9A28.C3.o2.gs	Method	GENSCAN
Start	4402	End	6147
GI	none	Score	1
Exons	4402..6147		

Seq. No.	970	Seq. ID	OJ990723_12.9A28.C4
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Gene No.	2052	Strand	+
Start	3047	End	8079
Name	OJ990723_12.9A28.C4.o1.np	Method	AAT/NAP
Start	3047	End	8079
GI	6539588	Score	226
Exons	3047..3237, 7627..7721, 8008..8079		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	970	Seq. ID	OJ990723_12.9A28.C4
Gene No.	2053	Strand	-
Start	3869	End	6634
Name	OJ990723_12.9A28.C4.o1.gp	Method	AAT/GAP
Start	3759	End	4185
GI	4878407	Score	680
Exons	3759..4185		
GI Descrip.	6069643/dbj AP000616.1 AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	970	Seq. ID	OJ990723_12.9A28.C4
Gene No.	2053	Strand	-
Start	3869	End	6634
Name	OJ990723_12.9A28.C4.o2.gs	Method	GENSCAN
Start	3869	End	6634
GI	none	Score	.79
Exons	3869..3985, 4664..4818, 5831..6109, 6245..6634		

Seq. No.	971	Seq. ID	OJ990723_12.9A28.C5
Gene No.	2054	Strand	-
Start	888	End	963
Name	OJ990723_12.9A28.C5.o1.gs	Method	GENSCAN
Start	888	End	963
GI	none	Score	.69
Exons	888..963		

Seq. No.	972	Seq. ID	OJ990723_12.9A28.C7
Gene No.	2055	Strand	-
Start	459	End	990
Name	OJ990723_12.9A28.C7.o1.gs	Method	GENSCAN
Start	459	End	990
GI	none	Score	.79
Exons	459..595, 876..990		

Seq. No.	973	Seq. ID	OJ990723_12.9A28.C9
Gene No.	2056	Strand	+
Start	828	End	1970
Name	OJ990723_12.9A28.C9.o1.np	Method	AAT/NAP
Start	828	End	1970
GI	6721562	Score	1505
Exons	828..1970		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi 6815087 dbj BAA90373.1 (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	973	Seq. ID	OJ990723_12.9A28.C9
Gene No.	2057	Strand	-

Start	413	End	1895
Name	OJ990723_12.9A28.C9.ol.gs	Method	GENSCAN
Start	413	End	1895
GI	none	Score	.8
Exons	413..434, 549..672, 736..867, 1101..1182, 1212..1315, 1323..1662, 1753..1895		

Seq. No.	973	Seq. ID	OJ990723_12.9A28.C9
Gene No.	2057	Strand	-
Start	413	End	1895
Name	OJ990723_12.9A28.C9.ol.tw	Method	TBLASTX:Wheat
Start	1534	End	1872
GI	none	Score	106
Exons	1534..1632, 1551..1631, 1599..1838, 1615..1872		

Seq. No.	974	Seq. ID	OJ990723_12.9A28.C11
Gene No.	2058	Strand	-
Start	963	End	1721
Name	OJ990723_12.9A28.C11.ol.gs	Method	GENSCAN
Start	963	End	1721
GI	none	Score	.94
Exons	963..1721		

Seq. No.	975	Seq. ID	OJ990723_12.9A28.C12
Gene No.	2059	Strand	+
Start	3331	End	9079
Name	OJ990723_12.9A28.C12.ol.np	Method	AAT/NAP
Start	3331	End	9079
GI	5042463	Score	166
Exons	3331..3378, 5277..5476, 6178..6323, 6369..6465, 9033..9079		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	975	Seq. ID	OJ990723_12.9A28.C12
Gene No.	2059	Strand	+
Start	3331	End	9079
Name	OJ990723_12.9A28.C12.ol.gp	Method	AAT/GAP
Start	7812	End	7959
GI	3683_1:R1084	Score	200
Exons	7812..7959		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 2.0e-45 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	976	Seq. ID	OJ990723_12.9A28.C14
Gene No.	2060	Strand	+
Start	1	End	3496
Name	OJ990723_12.9A28.C14.ol.np	Method	AAT/NAP
Start	1	End	3496
GI	6587798	Score	125
Exons	1..34, 245..276, 1756..2219, 3138..3175, 3452..3496		
GI Descrip.	(AC010924) Similar to gi Q60809 CCR4-associated factor 1 (CAF1) from Mus musculus. EST gb Z26822 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	976	Seq. ID	OJ990723_12.9A28.C14
Gene No.	2060	Strand	+
Start	1	End	3496
Name	OJ990723_12.9A28.C14.ol.gs	Method	GENSCAN

Start 846
 GI none
 Exons 846..1510, 1570..3088

End 3088
 Score .78

Seq. No. 976
 Gene No. 2061
 Start 7083
 Name OJ990723_12.9A28.C14.o3.gs
 Start 7083
 GI none
 Exons 7083..7130, 7409..7465

Seq. ID OJ990723_12.9A28.C14
 Strand -
 End 7465
 Method GENSCAN
 End 7465
 Score .46

Seq. No. 977
 Gene No. 2062
 Start 3272
 Name OJ990723_12.9A28.C16.o1.np
 Start 3272
 GI 4584524
 Exons 3272..6591
 GI Descrip. (AL049607) putative protein [Arabidopsis thaliana]

Seq. ID OJ990723_12.9A28.C16
 Strand +
 End 6591
 Method AAT/NAP
 End 6591
 Score 2726

Seq. No. 977
 Gene No. 2062
 Start 3272
 Name OJ990723_12.9A28.C16.o1.gp
 Start 6042
 GI LIB3432-057-P1-K1-H10
 Exons 6042..6477
 GI Descrip. '4584524/emb|CAB40755.1| 3.0e-38 (AL049607) putative protein [Arabidopsis thaliana]'

Seq. ID OJ990723_12.9A28.C16
 Strand +
 End 6591
 Method AAT/GAP
 End 6477
 Score 842

Seq. No. 977
 Gene No. 2063
 Start 11500
 Name OJ990723_12.9A28.C16.o1.tc
 Start 3577
 GI none
 Exons 3577..3966, 3759..4085, 3778..3987, 3826..4167, 3895..4107, 3928..4281, 3949..4200, 4027..4377, 4137..4385, 4138..4506, 4174..4290, 4183..4422, 4243..4605, 4315..4527, 4344..4562, 4345..4719, 4420..4587, 4438..4797, 4558..4926, 4621..5013, 4726..4947, 4762..5112, 4810..5040, 4855..5223, 4912..5157, 4962..5240, 4963..5280, 5050..5262, 5527..5643, 5623..5979, 5665..5892, 5860..6063, 5920..6294, 5965..6198, 5974..6372, 6100..6312, 6106..6486, 6175..6372, 6280..6483, 6415..6570, 6415..6579, 6415..6579, 6448..6585

Seq. ID OJ990723_12.9A28.C16
 Strand +
 End 12885
 Method TBLASTX:Cress
 End 6585
 Score 91

Seq. No. 977
 Gene No. 2063
 Start 11500
 Name OJ990723_12.9A28.C16.o1.ts
 Start 3619
 GI none
 Exons 3619..3939, 3673..4014, 3802..4119, 4198..4545, 4327..4644, 4408..4770, 4621..4959, 4726..5064, 4828..5169, 4933..5274, 5038..5277, 5461..5799, 5563..5907, 5683..6012, 5791..6147, 5983..6324, 6097..6372, 6186..6374, 6193..6540, 6222..6380,

Seq. ID OJ990723_12.9A28.C16
 Strand +
 End 12885
 Method TBLASTX:Soybean
 End 6588
 Score 93

6232..6540, 6298..6579, 6547..6588

Seq. No.	977	Seq. ID	OJ990723_12.9A28.C16
Gene No.	2063	Strand	+
Start	11500	End	12885
Name	OJ990723_12.9A28.C16.o1.tm	Method	TBLASTX:Maize
Start	3835	End	6483
GI	none	Score	131
Exons	3835..4176, 3886..4284, 4000..4395, 4123..4497, 4399..4467, 4411..4797, 4516..4917, 4621..5022, 4831..5232, 5566..5967, 5680..6063, 5880..6281, 5880..6125, 5881..6282, 5881..6282, 5891..6289, 5891..6289, 5959..6033, 5986..6372, 6100..6483, 6273..6356, 6274..6357		

Seq. No.	977	Seq. ID	OJ990723_12.9A28.C16
Gene No.	2063	Strand	+
Start	11500	End	12885
Name	OJ990723_12.9A28.C16.o2.tm	Method	TBLASTX:Maize
Start	5365	End	5565
GI	none	Score	262
Exons	5365..5565, 5379..5564		

Seq. No.	977	Seq. ID	OJ990723_12.9A28.C16
Gene No.	2063	Strand	+
Start	11500	End	12885
Name	OJ990723_12.9A28.C16.o2.np	Method	AAT/NAP
Start	11500	End	12885
GI	2127666	Score	311
Exons	11500..12885		
GI Descrip.	vsaA protein precursor - Mycoplasma pulmonis (SGC3) gi 780770 (U23947) VsaA lipoprotein [Mycoplasma pulmonis] gi 1586798 prf 2204375F vsaA gene [Mycoplasma pulmonis]		

Seq. No.	978	Seq. ID	OJ990723_12.9A28.C17
Gene No.	2064	Strand	+
Start	164	End	2316
Name	OJ990723_12.9A28.C17.o1.gs	Method	GENSCAN
Start	164	End	2316
GI	none	Score	.6
Exons	164..869, 884..2316		

Seq. No.	979	Seq. ID	OJ990723_12.9A28.C20
Gene No.	2065	Strand	-
Start	141	End	255
Name	OJ990723_12.9A28.C20.o1.gs	Method	GENSCAN
Start	141	End	255
GI	none	Score	.95
Exons	141..255		

Seq. No.	980	Seq. ID	OJ990723_12.9A28.C21
Gene No.	2066	Strand	+
Start	515	End	621
Name	OJ990723_12.9A28.C21.o1.gs	Method	GENSCAN
Start	515	End	621
GI	none	Score	.55
Exons	515..621		

Seq. No.	981	Seq. ID	OJ990723_12.9A28.C24
Gene No.	2067	Strand	+
Start	120	End	416
Name	OJ990723_12.9A28.C24.o1.gs	Method	GENSCAN
Start	120	End	416
GI	none	Score	.53
Exons	120..416		

Seq. No.	982	Seq. ID	OJ990723_12.9A28.C25
Gene No.	2068	Strand	+
Start	1	End	253
Name	OJ990723_12.9A28.C25.o1.np	Method	AAT/NAP
Start	1	End	253
GI	6498441	Score	334
Exons	1..253		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	982	Seq. ID	OJ990723_12.9A28.C25
Gene No.	2068	Strand	+
Start	1	End	253
Name	OJ990723_12.9A28.C25.o1.tw	Method	TBLASTX:Wheat
Start	2	End	203
GI	none	Score	233
Exons	2..202, 3..203		

Seq. No.	982	Seq. ID	OJ990723_12.9A28.C25
Gene No.	2068	Strand	+
Start	1	End	253
Name	OJ990723_12.9A28.C25.o1.gs	Method	GENSCAN
Start	3	End	153
GI	none	Score	.49
Exons	3..153		

Seq. No.	983	Seq. ID	OJ990723_12.9A28.C27
Gene No.	2069	Strand	-
Start	195	End	462
Name	OJ990723_12.9A28.C27.o1.gs	Method	GENSCAN
Start	195	End	462
GI	none	Score	.76
Exons	195..378, 422..462		

Seq. No.	984	Seq. ID	OJ990713_14.9A18.C1
Gene No.	2070	Strand	-
Start	1	End	717
Name	OJ990713_14.9A18.C1.o1.np	Method	AAT/NAP
Start	1	End	541
GI	6721562	Score	624
Exons	1..541		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi 6815087 dbj BAA90373.1 (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	984	Seq. ID	OJ990713_14.9A18.C1
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Gene No. 2070
 Start 1
 Name OJ990713_14.9A18.C1.ol.gs
 Start 35
 GI none
 Exons 35..559, 613..717

Strand -
 End 717
 Method GENSCAN
 End 717
 Score .64

Seq. No. 985
 Gene No. 2071
 Start 374
 Name OJ990713_14.9A18.C2.ol.gp
 Start 374
 GI none
 Exons 374..655, 918..963

Seq. ID OJ990713_14.9A18.C2
 Strand +
 End 1611
 Method AAT/GAP
 End 963
 Score 608

Seq. No. 985
 Gene No. 2071
 Start 374
 Name OJ990713_14.9A18.C2.ol.gs
 Start 555
 GI none
 Exons 555..655, 918..1608

Seq. ID OJ990713_14.9A18.C2
 Strand +
 End 1611
 Method GENSCAN
 End 1608
 Score .79

Seq. No. 985
 Gene No. 2071
 Start 374
 Name OJ990713_14.9A18.C2.ol.np
 Start 934
 GI 3152606
 Exons 934..1602

Seq. ID OJ990713_14.9A18.C2
 Strand +
 End 1611
 Method AAT/NAP
 End 1602
 Score 502

GI Descrip. (AC004482) putative RING zinc finger protein [Arabidopsis thaliana]

Seq. No. 985
 Gene No. 2071
 Start 374
 Name OJ990713_14.9A18.C2.ol.tw
 Start 948
 GI none
 Exons 948..1190, 991..1188

Seq. ID OJ990713_14.9A18.C2
 Strand +
 End 1611
 Method TBLASTX:Wheat
 End 1190
 Score 249

Seq. No. 985
 Gene No. 2071
 Start 374
 Name OJ990713_14.9A18.C2.ol.tm
 Start 975
 GI none
 Exons 975..1202, 976..1203

Seq. ID OJ990713_14.9A18.C2
 Strand +
 End 1611
 Method TBLASTX:Maize
 End 1203
 Score 376

Seq. No. 985
 Gene No. 2071
 Start 374
 Name OJ990713_14.9A18.C2.ol.ts
 Start 990
 GI none
 Exons 990..1265, 994..1266, 1320..1400, 1321..1404, 1383..1514

Seq. ID OJ990713_14.9A18.C2
 Strand +
 End 1611
 Method TBLASTX:Soybean
 End 1514
 Score 422

Seq. No. 985
 Gene No. 2071
 Start 374
 Name OJ990713_14.9A18.C2.o1.tc
 Start 999
 GI none
 Exons 999..1265, 1000..1269

Seq. ID OJ990713_14.9A18.C2
 Strand +
 End 1611
 Method TBLASTX:Cress
 End 1269
 Score 402

Seq. No. 985
 Gene No. 2071
 Start 374
 Name OJ990713_14.9A18.C2.o2.tm
 Start 1312
 GI none
 Exons 1312..1419, 1312..1611, 1356..1574

Seq. ID OJ990713_14.9A18.C2
 Strand +
 End 1611
 Method TBLASTX:Maize
 End 1611
 Score 143

Seq. No. 986
 Gene No. 2072
 Start 1246
 Name OJ990713_14.9A18.C3.o1.gs
 Start 1246
 GI none
 Exons 1246..1692, 1733..1754, 1999..2172, 2369..2808, 2900..3600, 3711..3767, 3862..4100, 4387..4509, 4805..4935

Seq. ID OJ990713_14.9A18.C3
 Strand +
 End 4935
 Method GENSCAN
 End 4935
 Score .62

Seq. No. 986
 Gene No. 2072
 Start 1246
 Name OJ990713_14.9A18.C3.o2.np
 Start 2545
 GI 5668808
 Exons 2545..2808, 2900..3441, 3530..3616, 3711..3767, 3862..4100, 4209..4327, 4423..4509, 4600..4650

Seq. ID OJ990713_14.9A18.C3
 Strand +
 End 4935
 Method AAT/NAP
 End 4650
 Score 1041

GI Descrip. (AC007519) F16N3.20 [Arabidopsis thaliana]

Seq. No. 986
 Gene No. 2073
 Start 1182
 Name OJ990713_14.9A18.C3.o3.tm
 Start 278
 GI none
 Exons 278..382, 303..389, 383..463, 446..514, 446..514

Seq. ID OJ990713_14.9A18.C3
 Strand -
 End 7673
 Method TBLASTX:Maize
 End 514
 Score 75

Seq. No. 986
 Gene No. 2073
 Start 1182
 Name OJ990713_14.9A18.C3.o2.tw
 Start 321
 GI none
 Exons 321..509, 329..517

Seq. ID OJ990713_14.9A18.C3
 Strand -
 End 7673
 Method TBLASTX:Wheat
 End 517
 Score 113

Seq. No. 986
 Gene No. 2073
 Start 1182
 Name OJ990713_14.9A18.C3.o1.np
 Start 1182
 GI 6069646

Seq. ID OJ990713_14.9A18.C3
 Strand -
 End 7673
 Method AAT/NAP
 End 5820
 Score 748

Exons 1182..1861, 5709..5820
 GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No. 986 Seq. ID OJ990713_14.9A18.C3
 Gene No. 2073 Strand -
 Start 1182 End 7673
 Name OJ990713_14.9A18.C3.o4.tm Method TBLASTX:Maize
 Start 1308 End 1773
 GI none Score 63
 Exons 1308..1394, 1447..1629, 1457..1630, 1459..1629, 1663..1773

Seq. No. 986 Seq. ID OJ990713_14.9A18.C3
 Gene No. 2073 Strand -
 Start 1182 End 7673
 Name OJ990713_14.9A18.C3.o1.tc Method TBLASTX:Cress
 Start 2641 End 4509
 GI none Score 148
 Exons 2641..2811, 2649..2801, 2899..2997, 2900..2998, 3068..3178, 3080..3181, 3298..3456, 3299..3457, 3531..3614, 3709..3756, 3712..3765, 3854..4102, 3856..3954, 4057..4107, 4202..4315, 4228..4314, 4417..4509, 4422..4451

Seq. No. 986 Seq. ID OJ990713_14.9A18.C3
 Gene No. 2073 Strand -
 Start 1182 End 7673
 Name OJ990713_14.9A18.C3.o1.ts Method TBLASTX:Soybean
 Start 2653 End 3985
 GI none Score 98
 Exons 2653..2811, 2700..2804, 2899..2988, 2900..2998, 3080..3178, 3085..3177, 3299..3340, 3362..3463, 3367..3456, 3531..3614, 3727..3762, 3854..3985, 3859..3984

Seq. No. 986 Seq. ID OJ990713_14.9A18.C3
 Gene No. 2073 Strand -
 Start 1182 End 7673
 Name OJ990713_14.9A18.C3.o1.tm Method TBLASTX:Maize
 Start 2716 End 4324
 GI none Score 64
 Exons 2716..2811, 2899..2994, 2900..2998, 3065..3184, 3080..3178, 3299..3340, 3355..3456, 3356..3463, 3531..3614, 3712..3762, 3854..4102, 3859..3969, 4160..4324, 4228..4305

Seq. No. 986 Seq. ID OJ990713_14.9A18.C3
 Gene No. 2073 Strand -
 Start 1182 End 7673
 Name OJ990713_14.9A18.C3.o3.ts Method TBLASTX:Soybean
 Start 3989 End 4524
 GI none Score 73
 Exons 3989..4102, 4202..4318, 4228..4302, 4402..4512, 4417..4524

Seq. No. 986 Seq. ID OJ990713_14.9A18.C3
 Gene No. 2073 Strand -
 Start 1182 End 7673

Name	OJ990713_14.9A18.C3.o2.tm	Method	TBLASTX:Maize
Start	5255	End	5728
GI	none	Score	180
Exons	5255..5497, 5271..5498, 5486..5542, 5500..5547, 5660..5728		

Seq. No.	986	Seq. ID	OJ990713_14.9A18.C3
Gene No.	2073	Strand	-
Start	1182	End	7673
Name	OJ990713_14.9A18.C3.o2.ts	Method	TBLASTX:Soybean
Start	5262	End	5728
GI	none	Score	206
Exons	5262..5465, 5285..5464, 5660..5728		

Seq. No.	986	Seq. ID	OJ990713_14.9A18.C3
Gene No.	2073	Strand	-
Start	1182	End	7673
Name	OJ990713_14.9A18.C3.o2.gs	Method	GENSCAN
Start	5270	End	7673
GI	none	Score	.4
Exons	5270..6124, 7461..7673		

Seq. No.	986	Seq. ID	OJ990713_14.9A18.C3
Gene No.	2073	Strand	-
Start	1182	End	7673
Name	OJ990713_14.9A18.C3.o2.tc	Method	TBLASTX:Cress
Start	5277	End	5737
GI	none	Score	146
Exons	5277..5468, 5285..5467, 5660..5737		

Seq. No.	986	Seq. ID	OJ990713_14.9A18.C3
Gene No.	2073	Strand	-
Start	1182	End	7673
Name	OJ990713_14.9A18.C3.o1.tw	Method	TBLASTX:Wheat
Start	5285	End	5473
GI	none	Score	123
Exons	5285..5473, 5304..5462		

Seq. No.	987	Seq. ID	OJ990713_14.9A18.C4
Gene No.	2074	Strand	+
Start	383	End	6278
Name	OJ990713_14.9A18.C4.o1.gs	Method	GENSCAN
Start	383	End	6278
GI	none	Score	.53
Exons	383..495, 840..899, 1191..1330, 4668..4775, 4906..5004, 6268..6278		

Seq. No.	987	Seq. ID	OJ990713_14.9A18.C4
Gene No.	2075	Strand	+
Start	6955	End	7617
Name	OJ990713_14.9A18.C4.o1.gp	Method	AAT/GAP
Start	6902	End	7371
GI	none	Score	820
Exons	6902..7371		

Seq. No.	987	Seq. ID	OJ990713_14.9A18.C4
Gene No.	2075	Strand	+
Start	6955	End	7617

Name OJ990713_14.9A18.C4.o2.gs
 Start 6955
 GI none
 Exons 6955..7617

Method GENSCAN
 End 7617
 Score 1

Seq. No. 987
 Gene No. 2076
 Start 12001
 Name OJ990713_14.9A18.C4.o3.gs
 Start 12001
 GI none
 Exons 12001..12031, 12146..14148, 14346..14423, 14619..14691, 14948..15714, 15844..16668

Seq. ID OJ990713_14.9A18.C4
 Strand +
 End 16668
 Method GENSCAN
 End 16668
 Score .89

Seq. No. 987
 Gene No. 2076
 Start 12001
 Name OJ990713_14.9A18.C4.o3.np
 Start 15286
 GI 1310677
 Exons 15286..15714, 15844..16665
 GI Descrip. (X97636) protein z-type serpin [Hordeum vulgare]

Seq. ID OJ990713_14.9A18.C4
 Strand +
 End 16668
 Method AAT/NAP
 End 16665
 Score 698

Seq. No. 987
 Gene No. 2077
 Start 3288
 Name OJ990713_14.9A18.C4.o1.np
 Start 3288
 GI 4539658
 Exons 3288..3408, 3490..3704, 5118..5144
 GI Descrip. (AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]

Seq. ID OJ990713_14.9A18.C4
 Strand -
 End 5144
 Method AAT/NAP
 End 5144
 Score 110

Seq. No. 987
 Gene No. 2077
 Start 3288
 Name OJ990713_14.9A18.C4.o2.np
 Start 3320
 GI 4539658
 Exons 3320..3408, 3490..3706
 GI Descrip. (AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]

Seq. ID OJ990713_14.9A18.C4
 Strand -
 End 5144
 Method AAT/NAP
 End 3706
 Score 120

Seq. No. 987
 Gene No. 2078
 Start 7563
 Name OJ990713_14.9A18.C4.o4.np
 Start 7563
 GI 6693023
 Exons 7563..7591, 12534..12758, 17029..17201, 18853..18934, 19019..19513, 20975..21852
 GI Descrip. (AC012375) T22C5.20 [Arabidopsis thaliana]

Seq. ID OJ990713_14.9A18.C4
 Strand -
 End 21852
 Method AAT/NAP
 End 21852
 Score 563

Seq. No. 987
 Gene No. 2078
 Start 7563
 Name OJ990713_14.9A18.C4.o1.ts
 Method TBLASTX:Soybean

Seq. ID OJ990713_14.9A18.C4
 Strand -
 End 21852
 Method TBLASTX:Soybean

Start	15287	End	16653
GI	none	Score	36
Exons	15287..15346, 15394..15486, 15595..15714, 15843..16124, 15850..16128, 16171..16254, 16282..16392, 16564..16653, 16566..16652		

Seq. No.	987	Seq. ID	OJ990713_14.9A18.C4
Gene No.	2078	Strand	-
Start	7563	End	21852
Name	OJ990713_14.9A18.C4.o1.tm	Method	TBLASTX:Maize
Start	15843	End	16653
GI	none	Score	252
Exons	15843..16127, 15850..16128, 16171..16254, 16173..16247, 16275..16379, 16282..16380, 16420..16470, 16566..16652, 16567..16653		

Seq. No.	987	Seq. ID	OJ990713_14.9A18.C4
Gene No.	2078	Strand	-
Start	7563	End	21852
Name	OJ990713_14.9A18.C4.o1.tc	Method	TBLASTX:Cress
Start	16171	End	16653
GI	none	Score	83
Exons	16171..16254, 16282..16380, 16399..16467, 16564..16653, 16566..16652		

Seq. No.	987	Seq. ID	OJ990713_14.9A18.C4
Gene No.	2078	Strand	-
Start	7563	End	21852
Name	OJ990713_14.9A18.C4.o3.tm	Method	TBLASTX:Maize
Start	16989	End	19146
GI	none	Score	190
Exons	16989..17201, 16990..17202, 16997..17224, 17295..17351, 17303..17353, 17305..17352, 18825..18932, 18853..18933, 18854..18934, 19020..19145, 19021..19146, 19024..19146		

Seq. No.	987	Seq. ID	OJ990713_14.9A18.C4
Gene No.	2078	Strand	-
Start	7563	End	21852
Name	OJ990713_14.9A18.C4.o4.gs	Method	GENSCAN
Start	19065	End	21574
GI	none	Score	.46
Exons	19065..19355, 19702..19763, 21118..21574		

Seq. No.	987	Seq. ID	OJ990713_14.9A18.C4
Gene No.	2078	Strand	-
Start	7563	End	21852
Name	OJ990713_14.9A18.C4.o2.tm	Method	TBLASTX:Maize
Start	19404	End	20982
GI	none	Score	77
Exons	19404..19457, 19404..19463, 19405..19464, 19414..19476, 19456..19605, 19461..19616, 19700..19765, 19701..19766, 20912..20977, 20914..20979, 20917..20982		

Seq. No.	987	Seq. ID	OJ990713_14.9A18.C4
Gene No.	2078	Strand	-
Start	7563	End	21852
Name	OJ990713_14.9A18.C4.o2.gp	Method	AAT/GAP

Start	20897	End	21062
GI	LIB3432-042-P2-K1-D8	Score	240
Exons	20897..21062		
GI Descrip.	'6015437/dbj AB008112.1 AB008112 8.0e-11 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	987	Seq. ID	OJ990713_14.9A18.C4
Gene No.	2078	Strand	-
Start	7563	End	21852
Name	OJ990713_14.9A18.C4.o3.gp	Method	AAT/GAP
Start	21257	End	21679
GI	2309748	Score	834
Exons	21257..21679		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2079	Strand	+
Start	4230	End	4718
Name	OJ990713_14.9A18.C5.o2.gs	Method	GENSCAN
Start	4230	End	4718
GI	none	Score	.98
Exons	4230..4718		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2080	Strand	+
Start	5914	End	18675
Name	OJ990713_14.9A18.C5.o3.gs	Method	GENSCAN
Start	5914	End	17615
GI	none	Score	.5
Exons	5914..6128, 6233..6308, 8016..8053, 9326..9387, 9599..9810, 9906..10315, 10667..10730, 10822..10875, 11175..11276, 11354..11414, 12277..12530, 12703..13321, 15218..15259, 15333..15438, 15569..15780, 15862..16052, 16276..16511, 17118..17361, 17541..17615		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2080	Strand	+
Start	5914	End	18675
Name	OJ990713_14.9A18.C5.o2.np	Method	AAT/NAP
Start	12791	End	13655
GI	4544450	Score	552
Exons	12791..13655		
GI Descrip.	(AC006592) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2080	Strand	+
Start	5914	End	18675
Name	OJ990713_14.9A18.C5.o1.gp	Method	AAT/GAP
Start	15190	End	16003
GI	13209_1.R1084	Score	1136
Exons	15190..15438, 15543..15780, 15862..16003		
GI Descrip.	'4468980/emb CAB38294 1.0e-81 (AL035605) formamidase-like protein [Arabidopsis thaliana]'		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2080	Strand	+
Start	5914	End	18675
Name	OJ990713_14.9A18.C5.o3.np	Method	AAT/NAP

Start 15221 End 18466
 GI 4468980 Score 1658
 Exons 15221..15438, 15543..15780, 15862..15992, 16276..16511,
 17118..17361, 17447..17554, 18347..18466
 GI Descrip. (AL035605) formamidase-like protein [Arabidopsis thaliana]

Seq. No. 988 Seq. ID OJ990713_14.9A18.C5
 Gene No. 2080 Strand +
 Start 5914 End 18675
 Name OJ990713_14.9A18.C5.o2.gp Method AAT/GAP
 Start 17247 End 18675
 GI 25266_1.R1084 Score 957
 Exons 17247..17361, 17447..17554, 18347..18675
 GI Descrip. '4468980/emb|CAB38294| 7.0e-41 (AL035605) formamidase-like
 protein [Arabidopsis thaliana]'

Seq. No. 988 Seq. ID OJ990713_14.9A18.C5
 Gene No. 2081 Strand +
 Start 29324 End 32973
 Name OJ990713_14.9A18.C5.o6.gs Method GENSCAN
 Start 29324 End 32973
 GI none Score .45
 Exons 29324..29383, 29438..29553, 29724..29796, 29998..30712,
 31106..32248, 32266..32732, 32782..32973

Seq. No. 988 Seq. ID OJ990713_14.9A18.C5
 Gene No. 2081 Strand +
 Start 29324 End 32973
 Name OJ990713_14.9A18.C5.o5.np Method AAT/NAP
 Start 29743 End 32970
 GI 6907089 Score 4225
 Exons 29743..31002, 31106..32970
 GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No. 988 Seq. ID OJ990713_14.9A18.C5
 Gene No. 2082 Strand -
 Start 1 End 3522
 Name OJ990713_14.9A18.C5.o1.np Method AAT/NAP
 Start 1 End 3522
 GI 6693023 Score 473
 Exons 1..50, 1190..1759, 3177..3350, 3393..3522
 GI Descrip. (AC012375) T22C5.20 [Arabidopsis thaliana]

Seq. No. 988 Seq. ID OJ990713_14.9A18.C5
 Gene No. 2083 Strand -
 Start 20159 End 23455
 Name OJ990713_14.9A18.C5.o3.gp Method AAT/GAP
 Start 19737 End 20641
 GI 81061_1.R1084 Score 1706
 Exons 19737..20641
 GI Descrip. '2642446 2.0e-43 (AC002391) similar to auxin-responsive GH3
 protein [Arabidopsis thaliana]'

Seq. No. 988 Seq. ID OJ990713_14.9A18.C5
 Gene No. 2083 Strand -
 Start 20159 End 23455
 Name OJ990713_14.9A18.C5.o4.gs Method GENSCAN

Start	20159	End	23381
GI	none	Score	.97
Exons	20159..21551, 22762..22863, 23032..23381		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2083	Strand	-
Start	20159	End	23455
Name	OJ990713_14.9A18.C5.o4.np	Method	AAT/NAP
Start	20159	End	23351
GI	4887010	Score	2134
Exons	20159..21551, 22762..22863, 23032..23351		
GI Descrip.	(AF123503) Nt-gh3 deduced protein [Nicotiana tabacum]		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2083	Strand	-
Start	20159	End	23455
Name	OJ990713_14.9A18.C5.o4.gp	Method	AAT/GAP
Start	23079	End	23455
GI	5003144	Score	713
Exons	23079..23455		
GI Descrip.	4887010/gb AAD32141.1 AF123503_1 1.0e-17 (AF123503) Nt-gh3 deduced protein [Nicotiana tabacum]		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2084	Strand	-
Start	24854	End	28614
Name	OJ990713_14.9A18.C5.o5.gs	Method	GENSCAN
Start	24854	End	28614
GI	none	Score	.61
Exons	24854..24936, 26406..26421, 28162..28332, 28561..28614		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o11.tm	Method	TBLASTX:Maize
Start	13	End	1251
GI	none	Score	213
Exons	13..204, 18..206, 1018..1044, 1020..1046, 1020..1049, 1087..1134, 1088..1132, 1089..1145, 1148..1246, 1170..1250, 1198..1251		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o7.tm	Method	TBLASTX:Maize
Start	12685	End	13653
GI	none	Score	61
Exons	12685..12771, 12778..12939, 12904..13320, 12904..13068, 12997..13242, 13050..13220, 13054..13242, 13117..13320, 13189..13320, 13326..13652, 13327..13653		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o4.tc	Method	TBLASTX:Cress
Start	12781	End	13440
GI	none	Score	291

Exons 12781..13218, 12793..13080, 12987..13241, 12988..13161,
13102..13314, 13222..13320, 13333..13440

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o8.tw	Method	TBLASTX:Wheat
Start	12883	End	13359
GI	none	Score	288
Exons	12883..13320, 12903..13292, 13206..13295, 13324..13359		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o5.ts	Method	TBLASTX:Soybean
Start	13051	End	13455
GI	none	Score	41
Exons	13051..13116, 13114..13305, 13114..13311, 13323..13454, 13327..13455		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o3.tc	Method	TBLASTX:Cress
Start	15188	End	15769
GI	none	Score	214
Exons	15188..15367, 15220..15396, 15221..15400, 15542..15769, 15543..15767		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o1.tm	Method	TBLASTX:Maize
Start	15209	End	16060
GI	none	Score	153
Exons	15209..15367, 15210..15383, 15215..15400, 15217..15402, 15400..15438, 15402..15437, 15403..15465, 15542..15790, 15543..15782, 15545..15790, 15854..16057, 15855..16058, 15856..16059, 15860..16060		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o4.ts	Method	TBLASTX:Soybean
Start	15220	End	15596
GI	none	Score	230
Exons	15220..15396, 15221..15400, 15402..15464, 15403..15465, 15546..15596, 15548..15595		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o9.tw	Method	TBLASTX:Wheat
Start	15239	End	15438
GI	none	Score	247
Exons	15239..15367, 15241..15399, 15242..15400, 15258..15401, 15400..15438, 15403..15438		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o3.tm	Method	TBLASTX:Maize
Start	16387	End	18469
GI	none	Score	197
Exons	16387..16512, 16389..16517, 16392..16514, 17104..17364, 17115..17363, 17116..17367, 17443..17550, 17444..17554, 17449..17556, 17459..17554, 17460..17570, 18313..18468, 18333..18464, 18347..18469		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o2.tc	Method	TBLASTX:Cress
Start	17133	End	18463
GI	none	Score	128
Exons	17133..17363, 17136..17363, 17137..17364, 17137..17367, 17443..17550, 17444..17554, 18344..18454, 18347..18463		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o2.tm	Method	TBLASTX:Maize
Start	20152	End	20678
GI	none	Score	75
Exons	20152..20199, 20159..20437, 20160..20438, 20486..20677, 20487..20678		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o1.tc	Method	TBLASTX:Cress
Start	20162	End	21379
GI	none	Score	160
Exons	20162..20368, 20184..20363, 20367..20438, 20375..20437, 20486..20806, 20487..20786, 20642..20794, 20855..21100, 20880..21098, 21098..21205, 21183..21377, 21194..21379		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o1.ts	Method	TBLASTX:Soybean
Start	20162	End	21386
GI	none	Score	159
Exons	20162..20365, 20166..20363, 20367..20438, 20375..20437, 20489..20806, 20493..20564, 20643..20786, 20852..21001, 20880..20993, 20987..21112, 20988..21110, 20990..21112, 21152..21379, 21183..21386		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o2.tw	Method	TBLASTX:Wheat
Start	20329	End	36555
GI	none	Score	57

Exons 20329..20397, 36135..36554, 36160..36555

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o9.tm	Method	TBLASTX:Maize
Start	20679	End	20947
GI	none	Score	127
Exons	20679..20786, 20679..20762, 20681..20809, 20681..20806, 20852..20935, 20864..20947		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o4.tw	Method	TBLASTX:Wheat
Start	20714	End	21082
GI	none	Score	65
Exons	20714..20809, 20714..20806, 20858..21082, 20880..21071, 20992..21072		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o4.tm	Method	TBLASTX:Maize
Start	21152	End	21527
GI	none	Score	94
Exons	21152..21298, 21174..21287, 21293..21526, 21305..21376, 21330..21527		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o2.ts	Method	TBLASTX:Soybean
Start	21386	End	23306
GI	none	Score	156
Exons	21386..21550, 21387..21548, 21395..21556, 22755..22868, 23032..23268, 23034..23306, 23106..23297		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o11.tw	Method	TBLASTX:Wheat
Start	21395	End	21544
GI	none	Score	103
Exons	21395..21523, 21408..21524, 21434..21544		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o10.tm	Method	TBLASTX:Maize
Start	22809	End	23297
GI	none	Score	109
Exons	22809..22868, 23032..23181, 23034..23186, 23178..23297, 23190..23297		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-

Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o5.tc	Method	TBLASTX:Cress
Start	22812	End	23303
GI	none	Score	149
Exons	22812..22868, 23032..23268, 23034..23303, 23106..23297		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o7.gs	Method	GENSCAN
Start	33597	End	37916
GI	none	Score	.77
Exons	33597..35339, 35544..36736, 36818..37365, 37371..37671, 37780..37916		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o6.np	Method	AAT/NAP
Start	33600	End	38057
GI	6498441	Score	5769
Exons	33600..33881, 33975..35372, 35544..36267, 36442..36576, 36760..38057		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o6.tw	Method	TBLASTX:Wheat
Start	33609	End	34211
GI	none	Score	189
Exons	33609..33734, 33765..33824, 33921..34211, 33922..34206		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o3.tw	Method	TBLASTX:Wheat
Start	34212	End	34593
GI	none	Score	240
Exons	34212..34592, 34243..34593		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o6.tm	Method	TBLASTX:Maize
Start	34407	End	34730
GI	none	Score	216
Exons	34407..34730, 34420..34713		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o10.tw	Method	TBLASTX:Wheat
Start	34923	End	35235
GI	none	Score	66

Exons 34923..35183, 35059..35235

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o6.ts	Method	TBLASTX:Soybean
Start	34983	End	35549
GI	5666795	Score	68
Exons	34983..35183, 35238..35372, 35451..35549		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o5.tw	Method	TBLASTX:Wheat
Start	35238	End	35672
GI	none	Score	88
Exons	35238..35387, 35239..35376, 35431..35607, 35448..35672		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o3.ts	Method	TBLASTX:Soybean
Start	36105	End	36476
GI	none	Score	90
Exons	36105..36476, 36316..36459		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o8.tm	Method	TBLASTX:Maize
Start	36228	End	36612
GI	none	Score	236
Exons	36228..36611, 36247..36612		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o5.tm	Method	TBLASTX:Maize
Start	36639	End	36995
GI	none	Score	68
Exons	36639..36755, 36639..36995, 36649..36960		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o1.tw	Method	TBLASTX:Wheat
Start	36663	End	37074
GI	none	Score	323
Exons	36663..37073, 36670..37074		

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o7.tw	Method	TBLASTX:Wheat
Start	37577	End	37966
GI	none	Score	80

Exons 37577..37834, 37611..37817, 37817..37915, 37860..37898,
37922..37966

Seq. No.	988	Seq. ID	OJ990713_14.9A18.C5
Gene No.	2085	Strand	-
Start	33597	End	38057
Name	OJ990713_14.9A18.C5.o12.tm	Method	TBLASTX:Maize
Start	37679	End	37927
GI	none	Score	189
Exons	37679..37927		

Seq. No.	989	Seq. ID	OJ990713_14.9A18.C6
Gene No.	2086	Strand	-
Start	1950	End	2041
Name	OJ990713_14.9A18.C6.o1.gs	Method	GENSCAN
Start	1950	End	2041
GI	none	Score	.83
Exons	1950..2041		

Seq. No.	990	Seq. ID	OJ990713_14.9A18.C7
Gene No.	2087	Strand	+
Start	863	End	1520
Name	OJ990713_14.9A18.C7.o1.gs	Method	GENSCAN
Start	863	End	1520
GI	none	Score	.56
Exons	863..870, 1445..1520		

Seq. No.	990	Seq. ID	OJ990713_14.9A18.C7
Gene No.	2088	Strand	+
Start	11906	End	13510
Name	OJ990713_14.9A18.C7.o3.gs	Method	GENSCAN
Start	11906	End	13510
GI	none	Score	.65
Exons	11906..11913, 12291..12544, 13413..13510		

Seq. No.	990	Seq. ID	OJ990713_14.9A18.C7
Gene No.	2089	Strand	-
Start	3854	End	11362
Name	OJ990713_14.9A18.C7.o2.gs	Method	GENSCAN
Start	3854	End	11362
GI	none	Score	.41
Exons	3854..3996, 4144..4184, 4208..4532, 4565..4877, 5508..5663, 6537..6671, 7402..7474, 8342..8405, 9057..9114, 9278..9370, 9514..9609, 10243..10300, 11214..11362		

Seq. No.	990	Seq. ID	OJ990713_14.9A18.C7
Gene No.	2089	Strand	-
Start	3854	End	11362
Name	OJ990713_14.9A18.C7.o1.gp	Method	AAT/GAP
Start	8571	End	8823
GI	3762972	Score	444
Exons	8571..8823		

Seq. No.	990	Seq. ID	OJ990713_14.9A18.C7
Gene No.	2090	Strand	-
Start	11268	End	11914
Name	OJ990713_14.9A18.C7.o2.gp	Method	AAT/GAP

Start 11268
 GI 2442702
 Exons 11268..11384, 11703..11914

End 11914
 Score 578

Seq. No. 990
 Gene No. 2091
 Start 12211
 Name OJ990713_14.9A18.C7.o1.tm
 Start 12211
 GI none
 Exons 12211..12249, 12212..12250, 12303..12416, 12306..12347, 12307..12417, 12406..12555, 12406..12555, 13409..13513, 13411..13515, 13413..13514, 13673..13726

Seq. ID OJ990713_14.9A18.C7
 Strand
 End 13726
 Method TBLASTX:Maize
 End 13726
 Score 46

Seq. No. 991
 Gene No. 2092
 Start 1252
 Name OJ990713_14.9A18.C8.o1.gp
 Start 1252
 GI 426827
 Exons 1252..1305, 1447..1509, 1947..2050, 2143..2365

Seq. ID OJ990713_14.9A18.C8
 Strand +
 End 2365
 Method AAT/GAP
 End 2365
 Score 773

Seq. No. 991
 Gene No. 2092
 Start 1252
 Name OJ990713_14.9A18.C8.o1.gs
 Start 1447
 GI none
 Exons 1447..1509, 1947..2050, 2143..2229

Seq. ID OJ990713_14.9A18.C8
 Strand +
 End 2365
 Method GENSCAN
 End 2229
 Score .48

Seq. No. 991
 Gene No. 2093
 Start 7112
 Name OJ990713_14.9A18.C8.o1.np
 Start 7112
 GI 4335759
 Exons 7112..7268, 7680..7856, 8550..8616
 GI Descrip. (AC006284) unknown protein [Arabidopsis thaliana]

Seq. ID OJ990713_14.9A18.C8
 Strand +
 End 9838
 Method AAT/NAP
 End 8616
 Score 89

Seq. No. 991
 Gene No. 2093
 Start 7112
 Name OJ990713_14.9A18.C8.o2.np
 Start 8089
 GI 4335771
 Exons 8089..8142, 8216..8307, 8409..8487, 8563..8656, 8903..9015, 9425..9470, 9692..9732, 9812..9838
 GI Descrip. (AC006284) unknown protein [Arabidopsis thaliana]

Seq. ID OJ990713_14.9A18.C8
 Strand +
 End 9838
 Method AAT/NAP
 End 9838
 Score 448

Seq. No. 991
 Gene No. 2093
 Start 7112
 Name OJ990713_14.9A18.C8.o1.tm
 Start 8099
 GI none
 Exons 8099..8134, 8100..8153, 8101..8154, 8214..8306, 8215..8307, 8216..8308, 8399..8488, 8401..8493, 8410..8493, 8561..8653,

Seq. ID OJ990713_14.9A18.C8
 Strand +
 End 9838
 Method TBLASTX:Maize
 End 9000
 Score 52

8565..8657, 8566..8658, 8901..8999, 8902..9000

Seq. No.	991	Seq. ID	OJ990713_14.9A18.C8
Gene No.	2093	Strand	+
Start	7112	End	9838
Name	OJ990713_14.9A18.C8.o1.tc	Method	TBLASTX:Cress
Start	8407	End	9018
GI	none	Score	101
Exons	8407..8487, 8410..8493, 8565..8657, 8566..8658, 8896..9015, 8901..9017, 8902..9018		

Seq. No.	991	Seq. ID	OJ990713_14.9A18.C8
Gene No.	2093	Strand	+
Start	7112	End	9838
Name	OJ990713_14.9A18.C8.o2.gp	Method	AAT/GAP
Start	8932	End	9326
GI	2311957	Score	696
Exons	8932..9326		

Seq. No.	992	Seq. ID	OJ990713_14.9A18.C9
Gene No.	2094	Strand	-
Start	89	End	558
Name	OJ990713_14.9A18.C9.o1.gp	Method	AAT/GAP
Start	89	End	558
GI	12972_1.R1084	Score	775
Exons	89..558		
GI Descrip.	'4335771/gb AAD17448 3.0e-40 (AC006284) unknown protein [Arabidopsis thaliana]'		

Seq. No.	992	Seq. ID	OJ990713_14.9A18.C9
Gene No.	2094	Strand	-
Start	89	End	558
Name	OJ990713_14.9A18.C9.o1.gs	Method	GENSCAN
Start	134	End	546
GI	none	Score	.46
Exons	134..252, 469..546		

Seq. No.	993	Seq. ID	OJ990713_14.9A18.C10
Gene No.	2095	Strand	+
Start	710	End	2583
Name	OJ990713_14.9A18.C10.o1.tc	Method	TBLASTX:Cress
Start	648	End	2495
GI	none	Score	275
Exons	648..932, 726..902, 736..906, 767..919, 1567..1695, 1568..1705, 1568..1708, 1569..1718, 1959..2096, 2009..2095, 2238..2348, 2276..2347, 2351..2428, 2377..2427, 2430..2495, 2434..2478		

Seq. No.	993	Seq. ID	OJ990713_14.9A18.C10
Gene No.	2095	Strand	+
Start	710	End	2583
Name	OJ990713_14.9A18.C10.o1.tm	Method	TBLASTX:Maize
Start	709	End	2583
GI	none	Score	296
Exons	709..930, 714..932, 770..931, 1009..1110, 1013..1099, 1014..1112, 1567..1713, 1568..1732, 1569..1718, 1959..2096, 2001..2102, 2232..2342, 2238..2354, 2258..2347, 2313..2426, 2351..2428, 2353..2430, 2429..2482, 2433..2483, 2434..2481,		

2435..2485, 2469..2528, 2494..2535, 2542..2583

Seq. No.	993	Seq. ID	OJ990713_14.9A18.C10
Gene No.	2095	Strand	+
Start	710	End	2583
Name	OJ990713_14.9A18.C10.o1.gs	Method	GENSCAN
Start	710	End	2384
GI	none	Score	.98
Exons	710..929, 1016..1102, 1569..1712, 2004..2096, 2241..2384		

Seq. No.	993	Seq. ID	OJ990713_14.9A18.C10
Gene No.	2095	Strand	+
Start	710	End	2583
Name	OJ990713_14.9A18.C10.o1.ts	Method	TBLASTX:Soybean
Start	717	End	874
GI	none	Score	198
Exons	717..872, 729..872, 767..874, 791..874		

Seq. No.	993	Seq. ID	OJ990713_14.9A18.C10
Gene No.	2095	Strand	+
Start	710	End	2583
Name	OJ990713_14.9A18.C10.o1.np	Method	AAT/NAP
Start	723	End	2475
GI	4512122	Score	742
Exons	723..929, 1016..1102, 1569..1712, 2004..2096, 2241..2475		
GI Descrip.	(AF131219) chorismate mutase 3 [Arabidopsis thaliana]		

Seq. No.	993	Seq. ID	OJ990713_14.9A18.C10
Gene No.	2095	Strand	+
Start	710	End	2583
Name	OJ990713_14.9A18.C10.o1.gp	Method	AAT/GAP
Start	755	End	1675
GI	LIB3432-049-P1-K1-C8	Score	660
Exons	755..929, 1016..1102, 1569..1675		
GI Descrip.	'1168940/sp P42738 CHMU_ARATH 9.0e-35 CHORISMATE MUTASE PRECURSOR (CM-1) >gi_629509_pir_S38958 chorismate mutase precursor - Arabidopsis thaliana >gi_429153_emb_CAA81286_ (Z26519) chorismate mutase precursor [Arabidopsis thaliana]'		

Seq. No.	994	Seq. ID	OJ990713_14.9A18.C11
Gene No.	2096	Strand	+
Start	8012	End	9381
Name	OJ990713_14.9A18.C11.o3.gs	Method	GENSCAN
Start	8012	End	9381
GI	none	Score	.44
Exons	8012..8014, 9133..9381		

Seq. No.	994	Seq. ID	OJ990713_14.9A18.C11
Gene No.	2097	Strand	-
Start	143	End	3829
Name	OJ990713_14.9A18.C11.o1.gs	Method	GENSCAN
Start	143	End	3829
GI	none	Score	.84
Exons	143..280, 378..492, 1253..1404, 1499..1647, 2060..2219, 2393..2504, 2696..2973, 3002..3123, 3721..3829		

Seq. No.	994	Seq. ID	OJ990713_14.9A18.C11
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Gene No. 2098
 Start 5177
 Name OJ990713_14.9A18.C11.o2.gs
 Start 5177
 GI none
 Exons 5177..5685, 6639..6696

Strand -
 End 6696
 Method GENSCAN
 End 6696
 Score .48

Seq. No. 994
 Gene No. 2099
 Start 10416
 Name OJ990713_14.9A18.C11.o1.ts
 Start 222
 GI none
 Exons 222..311, 233..301, 378..485, 1253..1366

Seq. ID OJ990713_14.9A18.C11
 Strand -
 End 10570
 Method TBLASTX:Soybean
 End 1366
 Score 66
 378..512, 1250..1360, 1252..1362,

Seq. No. 994
 Gene No. 2099
 Start 10416
 Name OJ990713_14.9A18.C11.o1.tm
 Start 420
 GI none
 Exons 420..500, 422..502, 422..508, 1314..1418, 1470..1634, 1496..1577..1648, 1577..1648

Seq. ID OJ990713_14.9A18.C11
 Strand -
 End 10570
 Method TBLASTX:Maize
 End 1648
 Score 76
 1252..1404, 1253..1405,

Seq. No. 994
 Gene No. 2099
 Start 10416
 Name OJ990713_14.9A18.C11.o1.tc
 Start 1270
 GI none
 Exons 1270..1404, 1277..1405, 1314..1418, 1470..1643, 1496..1648, 1499..1645

Seq. ID OJ990713_14.9A18.C11
 Strand -
 End 10570
 Method TBLASTX:Cress
 End 1648
 Score 134
 1418, 1470..1643, 1496..1648,

Seq. No. 994
 Gene No. 2099
 Start 10416
 Name OJ990713_14.9A18.C11.o4.gs
 Start 10416
 GI none
 Exons 10416..10570

Seq. ID OJ990713_14.9A18.C11
 Strand -
 End 10570
 Method GENSCAN
 End 10570
 Score .65

Seq. No. 995
 Gene No. 2100
 Start 241
 Name OJ990723_14.9A18.C2.o1.gs
 Start 241
 GI none
 Exons 241..618

Seq. ID OJ990723_14.9A18.C2
 Strand +
 End 618
 Method GENSCAN
 End 618
 Score .77

Seq. No. 995
 Gene No. 2101
 Start 371
 Name OJ990723_14.9A18.C2.o1.gp
 Start 371
 GI 827_1.R1084

Seq. ID OJ990723_14.9A18.C2
 Strand -
 End 481
 Method AAT/GAP
 End 481
 Score 178

Exons 371..481
 GI Descrip. '3560531 0.0e+00 (AF042332) cycloartenol-C24-methyltransferase [Oryza sativa subsp. japonica]'

Seq. No.	995	Seq. ID	OJ990723_14.9A18.C2
Gene No.	2101	Strand	-
Start	371	End	481
Name	OJ990723_14.9A18.C2.o1.np	Method	AAT/NAP
Start	373	End	455
GI	3560531	Score	103
Exons	373..455		
GI Descrip.	(AF042332) cycloartenol-C24-methyltransferase [Oryza sativa subsp. japonica]		

Seq. No.	996	Seq. ID	OJ990723_14.9A18.C3
Gene No.	2102	Strand	+
Start	279	End	486
Name	OJ990723_14.9A18.C3.o1.gs	Method	GENSCAN
Start	279	End	486
GI	none	Score	.82
Exons	279..486		

Seq. No.	996	Seq. ID	OJ990723_14.9A18.C3
Gene No.	2103	Strand	+
Start	1817	End	3512
Name	OJ990723_14.9A18.C3.o2.gs	Method	GENSCAN
Start	1817	End	3512
GI	none	Score	.7
Exons	1817..2004, 2032..2101, 3225..3512		

Seq. No.	996	Seq. ID	OJ990723_14.9A18.C3
Gene No.	2104	Strand	-
Start	3791	End	10773
Name	OJ990723_14.9A18.C3.o3.gs	Method	GENSCAN
Start	3791	End	8721
GI	none	Score	.59
Exons	3791..4408, 4668..4787, 4923..5180, 6131..6276, 6334..6608, 7746..7844, 8633..8721		

Seq. No.	996	Seq. ID	OJ990723_14.9A18.C3
Gene No.	2104	Strand	-
Start	3791	End	10773
Name	OJ990723_14.9A18.C3.o1.np	Method	AAT/NAP
Start	3794	End	6637
GI	6714377	Score	1112
Exons	3794..4408, 4671..4787, 4923..5180, 6006..6637		
GI Descrip.	(AC012562) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	996	Seq. ID	OJ990723_14.9A18.C3
Gene No.	2104	Strand	-
Start	3791	End	10773
Name	OJ990723_14.9A18.C3.o1.gp	Method	AAT/GAP
Start	6287	End	7922
GI	none	Score	1022
Exons	6287..6652, 7746..7922		

Seq. No.	996	Seq. ID	OJ990723_14.9A18.C3
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Gene No.	2104	Strand	-
Start	3791	End	10773
Name	OJ990723_14.9A18.C3.o2.np	Method	AAT/NAP
Start	6428	End	10766
GI	81286	Score	91
Exons	6428..6539, 7762..7908, 7957..8036, 10394..10766		
GI Descrip.	extensin - Volvox carteri (fragment) gi 21992 emb CAA46283 (X65165) extensin [Volvox carteri]		

Seq. No.	996	Seq. ID	OJ990723_14.9A18.C3
Gene No.	2104	Strand	-
Start	3791	End	10773
Name	OJ990723_14.9A18.C3.o4.gs	Method	GENSCAN
Start	10388	End	10773
GI	none	Score	.92
Exons	10388..10559, 10613..10773		

Seq. No.	996	Seq. ID	OJ990723_14.9A18.C3
Gene No.	2105	Strand	-
Start	12752	End	13531
Name	OJ990723_14.9A18.C3.o5.gs	Method	GENSCAN
Start	12752	End	13531
GI	none	Score	.91
Exons	12752..12976, 13118..13189, 13379..13531		

Seq. No.	996	Seq. ID	OJ990723_14.9A18.C3
Gene No.	2106	Strand	-
Start	13688	End	15206
Name	OJ990723_14.9A18.C3.o2.tm	Method	TBLASTX:Maize
Start	3621	End	4018
GI	none	Score	49
Exons	3621..3656, 3684..4016, 3797..4018		

Seq. No.	996	Seq. ID	OJ990723_14.9A18.C3
Gene No.	2106	Strand	-
Start	13688	End	15206
Name	OJ990723_14.9A18.C3.o2.tc	Method	TBLASTX:Cress
Start	3887	End	4244
GI	none	Score	42
Exons	3887..3970, 3936..3971, 4031..4243, 4035..4244		

Seq. No.	996	Seq. ID	OJ990723_14.9A18.C3
Gene No.	2106	Strand	-
Start	13688	End	15206
Name	OJ990723_14.9A18.C3.o1.ts	Method	TBLASTX:Soybean
Start	3942	End	5039
GI	none	Score	405
Exons	3942..4409, 3942..4406, 3944..4408, 4671..4817, 4672..4794, 4692..4817, 4918..5004, 4921..5028, 4923..5039, 4923..5039		

Seq. No.	996	Seq. ID	OJ990723_14.9A18.C3
Gene No.	2106	Strand	-
Start	13688	End	15206
Name	OJ990723_14.9A18.C3.o1.tw	Method	TBLASTX:Wheat
Start	4083	End	4388
GI	none	Score	56
Exons	4083..4214, 4085..4387, 4305..4388		

Seq. No.	996	Seq. ID	OJ990723_14.9A18.C3
Gene No.	2106	Strand	-
Start	13688	End	15206
Name	OJ990723_14.9A18.C3.o1.tm	Method	TBLASTX:Maize
Start	4292	End	6534
GI	none	Score	102
Exons	4292..4402, 4292..4408, 4293..4406, 4686..4790, 4689..4790, 4690..4794, 4690..4791, 4890..5183, 4891..5187, 4918..5004, 4923..5183, 4934..5188, 6000..6068, 6183..6350, 6190..6393, 6192..6440, 6233..6484, 6428..6532, 6439..6531, 6439..6534, 6444..6533		

Seq. No.	996	Seq. ID	OJ990723_14.9A18.C3
Gene No.	2106	Strand	-
Start	13688	End	15206
Name	OJ990723_14.9A18.C3.o1.tc	Method	TBLASTX:Cress
Start	4713	End	5190
GI	none	Score	75
Exons	4713..4790, 4944..5183, 4945..5187, 5068..5190		

Seq. No.	996	Seq. ID	OJ990723_14.9A18.C3
Gene No.	2106	Strand	-
Start	13688	End	15206
Name	OJ990723_14.9A18.C3.o6.gs	Method	GENSCAN
Start	13688	End	15206
GI	none	Score	.7
Exons	13688..13869, 15062..15206		

Seq. No.	997	Seq. ID	OJ990723_14.9A18.C4
Gene No.	2107	Strand	+
Start	1525	End	5575
Name	OJ990723_14.9A18.C4.o4.np	Method	AAT/NAP
Start	1525	End	5575
GI	4680183	Score	137
Exons	1525..1567, 5484..5575		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	997	Seq. ID	OJ990723_14.9A18.C4
Gene No.	2108	Strand	-
Start	1	End	380
Name	OJ990723_14.9A18.C4.o1.np	Method	AAT/NAP
Start	1	End	380
GI	5777631	Score	48
Exons	1..57, 241..380		
GI Descrip.	(AJ245900) CAA303719.1 protein [Oryza sativa]		

Seq. No.	997	Seq. ID	OJ990723_14.9A18.C4
Gene No.	2109	Strand	-
Start	419	End	594
Name	OJ990723_14.9A18.C4.o1.gp	Method	AAT/GAP
Start	419	End	594
GI	5771106	Score	245
Exons	419..594		
GI Descrip.	5922603/dbj AP000492.1 AP000492 3.0e-52 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01		

Seq. No.	997	Seq. ID	OJ990723_14.9A18.C4
Gene No.	2110	Strand	-
Start	650	End	1382
Name	OJ990723_14.9A18.C4.o2.np	Method	AAT/NAP
Start	650	End	1382
GI	5922636	Score	390
Exons	650..781, 1071..1382		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016869 dbj BAA85212.1 (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	997	Seq. ID	OJ990723_14.9A18.C4
Gene No.	2111	Strand	-
Start	5367	End	5453
Name	OJ990723_14.9A18.C4.o3.np	Method	AAT/NAP
Start	5367	End	5453
GI	6721561	Score	94
Exons	5367..5453		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	998	Seq. ID	OJ990723_14.9A18.C5
Gene No.	2112	Strand	+
Start	373	End	640
Name	OJ990723_14.9A18.C5.o1.gp	Method	AAT/GAP
Start	373	End	640
GI	LIB3431-026-P1-N1-F3	Score	496
Exons	373..640		
GI Descrip.	'5922603/dbj AP000492.1 AP000492 3.0e-52 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	998	Seq. ID	OJ990723_14.9A18.C5
Gene No.	2113	Strand	+
Start	1545	End	7072
Name	OJ990723_14.9A18.C5.o2.gs	Method	GENSCAN
Start	1545	End	7072
GI	none	Score	.9
Exons	1545..1603, 1728..1781, 4393..4495, 6638..7072		

Seq. No.	998	Seq. ID	OJ990723_14.9A18.C5
Gene No.	2114	Strand	-
Start	531	End	1157
Name	OJ990723_14.9A18.C5.o1.gs	Method	GENSCAN
Start	531	End	1157
GI	none	Score	.7
Exons	531..1157		

Seq. No.	998	Seq. ID	OJ990723_14.9A18.C5
Gene No.	2114	Strand	-
Start	531	End	1157
Name	OJ990723_14.9A18.C5.o1.np	Method	AAT/NAP
Start	586	End	1118

GI	6630539	Score	306
Exons	586..1118		
GI Descrip.	(AC011708) putative RING zinc finger protein [Arabidopsis thaliana]		
Seq. No.	998	Seq. ID	OJ990723_14.9A18.C5
Gene No.	2115	Strand	-
Start	1107	End	1526
Name	OJ990723_14.9A18.C5.o2.gp	Method	AAT/GAP
Start	1107	End	1526
GI	9836_1.R1084	Score	725
Exons	1107..1526		
GI Descrip.	'5922603/dbj AP000492.1 AP000492 3.0e-52 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	998	Seq. ID	OJ990723_14.9A18.C5
Gene No.	2116	Strand	-
Start	3338	End	3558
Name	OJ990723_14.9A18.C5.o2.np	Method	AAT/NAP
Start	3338	End	3558
GI	6069646	Score	220
Exons	3338..3558		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	998	Seq. ID	OJ990723_14.9A18.C5
Gene No.	2117	Strand	-
Start	8989	End	12407
Name	OJ990723_14.9A18.C5.o2.tw	Method	TBLASTX:Wheat
Start	651	End	801
GI	none	Score	65
Exons	651..770, 651..788, 652..801		

Seq. No.	998	Seq. ID	OJ990723_14.9A18.C5
Gene No.	2117	Strand	-
Start	8989	End	12407
Name	OJ990723_14.9A18.C5.o2.tc	Method	TBLASTX:Cress
Start	660	End	792
GI	none	Score	122
Exons	660..788, 661..792		

Seq. No.	998	Seq. ID	OJ990723_14.9A18.C5
Gene No.	2117	Strand	-
Start	8989	End	12407
Name	OJ990723_14.9A18.C5.o2.tm	Method	TBLASTX:Maize
Start	660	End	807
GI	none	Score	168
Exons	660..806, 661..807		

Seq. No.	998	Seq. ID	OJ990723_14.9A18.C5
Gene No.	2117	Strand	-
Start	8989	End	12407
Name	OJ990723_14.9A18.C5.o2.ts	Method	TBLASTX:Soybean
Start	660	End	801

GI	none	Score	152
Exons	660...800, 661...801		
Seq. No.	998	Seq. ID	OJ990723_14.9A18.C5
Gene No.	2117	Strand	-
Start	8989	End	12407
Name	OJ990723_14.9A18.C5.o3.gp	Method	AAT/GAP
Start	8407	End	9456
GI	26857_1.R1084	Score	1817
Exons	8407..8918, 9005..9456		
GI Descrip.	'6093512/sp Q39950 NLTP_HELAN 1.0e-16 NONSPECIFIC LIPID-TRANSFER PROTEIN PRECURSOR (LTP) (NSLTP) (SDI-9) >gi_1050918_emb_CAA63340_ (X92648) lipid transfer protein [Helianthus annuus]'		

Seq. No.	998	Seq. ID	OJ990723_14.9A18.C5
Gene No.	2117	Strand	-
Start	8989	End	12407
Name	OJ990723_14.9A18.C5.o4.np	Method	AAT/NAP
Start	8710	End	10392
GI	6539588	Score	207
Exons	8710..8732, 10080..10392		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	998	Seq. ID	OJ990723_14.9A18.C5
Gene No.	2117	Strand	-
Start	8989	End	12407
Name	OJ990723_14.9A18.C5.o3.gs	Method	GENSCAN
Start	8989	End	9357
GI	none	Score	.97
Exons	8989..9357		

Seq. No.	998	Seq. ID	OJ990723_14.9A18.C5
Gene No.	2117	Strand	-
Start	8989	End	12407
Name	OJ990723_14.9A18.C5.o3.np	Method	AAT/NAP
Start	8998	End	9360
GI	6492243	Score	449
Exons	8998..9360		
GI Descrip.	(AF109195) lipid transfer protein [Hordeum vulgare]		

Seq. No.	998	Seq. ID	OJ990723_14.9A18.C5
Gene No.	2117	Strand	-
Start	8989	End	12407
Name	OJ990723_14.9A18.C5.o1.tw	Method	TBLASTX:Wheat
Start	9004	End	9274
GI	none	Score	329
Exons	9004..9273, 9008..9274, 9176..9274		

Seq. No.	998	Seq. ID	OJ990723_14.9A18.C5
Gene No.	2117	Strand	-
Start	8989	End	12407
Name	OJ990723_14.9A18.C5.o1.tm	Method	TBLASTX:Maize
Start	9007	End	9355
GI	none	Score	93
Exons	9007..9093, 9008..9094, 9094..9216, 9095..9217, 9184..9273, 9203..9355		

Seq. No. 998
 Gene No. 2117
 Start 8989
 Name OJ990723_14.9A18.C5.o1.tc
 Start 9008
 GI none
 Exons 9008..9259, 9010..9273

Seq. ID OJ990723_14.9A18.C5
 Strand -
 End 12407
 Method TBLASTX:Cress
 End 9273
 Score 130

Seq. No. 998
 Gene No. 2117
 Start 8989
 Name OJ990723_14.9A18.C5.o1.ts
 Start 9010
 GI none
 Exons 9010..9273, 9011..9076, 9107..9274

Seq. ID OJ990723_14.9A18.C5
 Strand -
 End 12407
 Method TBLASTX:Soybean
 End 9274
 Score 50

Seq. No. 998
 Gene No. 2117
 Start 8989
 Name OJ990723_14.9A18.C5.o4.gs
 Start 10085
 GI none
 Exons 10085..10307, 11653..11792, 12384..12407

Seq. ID OJ990723_14.9A18.C5
 Strand -
 End 12407
 Method GENSCAN
 End 12407
 Score .54

Seq. No. 999
 Gene No. 2118
 Start 796
 Name OJ990723_14.9A18.C6.o1.gs
 Start 796
 GI none
 Exons 796..829, 867..958

Seq. ID OJ990723_14.9A18.C6
 Strand -
 End 958
 Method GENSCAN
 End 958
 Score .65

Seq. No. 1000
 Gene No. 2119
 Start 827
 Name OJ990723_14.9A18.C7.o1.gs
 Start 827
 GI none
 Exons 827..986, 1705..1813, 2012..2050, 2091..2203

Seq. ID OJ990723_14.9A18.C7
 Strand +
 End 2203
 Method GENSCAN
 End 2203
 Score .52

Seq. No. 1000
 Gene No. 2120
 Start 3067
 Name OJ990723_14.9A18.C7.o2.gs
 Start 3067
 GI none
 Exons 3067..3375

Seq. ID OJ990723_14.9A18.C7
 Strand +
 End 3375
 Method GENSCAN
 End 3375
 Score .75

Seq. No. 1000
 Gene No. 2121
 Start 9867
 Name OJ990723_14.9A18.C7.o1.gp
 Start 9779
 GI 993_1.R1084
 Exons 9779..10005, 10113..10425, 10787..11591
 GI Descrip. '1041710 1.0e-121 (U30477) expansin Os-EXP2 [Oryza sativa]'

Seq. ID OJ990723_14.9A18.C7
 Strand +
 End 11591
 Method AAT/GAP
 End 11591
 Score 2646

Seq. No.	1000	Seq. ID	OJ990723_14.9A18.C7
Gene No.	2121	Strand	+
Start	9867	End	11591
Name	OJ990723_14.9A18.C7.o1.np	Method	AAT/NAP
Start	9867	End	11087
GI	1041710	Score	1301
Exons	9867..10005, 10113..10425, 10787..11087		
GI Descrip.	(U30477) expansin Os-EXP2 [Oryza sativa]		

Seq. No.	1000	Seq. ID	OJ990723_14.9A18.C7
Gene No.	2121	Strand	+
Start	9867	End	11591
Name	OJ990723_14.9A18.C7.o5.gs	Method	GENSCAN
Start	9867	End	11090
GI	none	Score	.99
Exons	9867..10005, 10113..10425, 10787..11090		

Seq. No.	1000	Seq. ID	OJ990723_14.9A18.C7
Gene No.	2122	Strand	+
Start	13005	End	17074
Name	OJ990723_14.9A18.C7.o2.np	Method	AAT/NAP
Start	12999	End	17074
GI	1946372	Score	547
Exons	12999..13119, 14722..14846, 16486..16718, 16957..17074		
GI Descrip.	(U93215) putative integral membrane protein [Arabidopsis thaliana]		

Seq. No.	1000	Seq. ID	OJ990723_14.9A18.C7
Gene No.	2122	Strand	+
Start	13005	End	17074
Name	OJ990723_14.9A18.C7.o6.gs	Method	GENSCAN
Start	13005	End	15797
GI	none	Score	.47
Exons	13005..13119, 13846..14195, 14784..14906, 15771..15797		

Seq. No.	1000	Seq. ID	OJ990723_14.9A18.C7
Gene No.	2123	Strand	-
Start	16917	End	17323
Name	OJ990723_14.9A18.C7.o2.tw	Method	TBLASTX:Wheat
Start	2216	End	10958
GI	none	Score	127
Exons	2216..2326, 10283..10426, 10777..10908, 10778..10957, 10785..10958		

Seq. No.	1000	Seq. ID	OJ990723_14.9A18.C7
Gene No.	2123	Strand	-
Start	16917	End	17323
Name	OJ990723_14.9A18.C7.o1.tc	Method	TBLASTX:Cress
Start	9795	End	10892
GI	none	Score	104
Exons	9795..9869, 9944..10006, 9945..10007, 10111..10425, 10112..10426, 10781..10885, 10785..10892		

Seq. No.	1000	Seq. ID	OJ990723_14.9A18.C7
Gene No.	2123	Strand	-
Start	16917	End	17323

Name	OJ990723_14.9A18.C7.o1.tm	Method	TBLASTX:Maize
Start	9938	End	10972
GI	none	Score	131
Exons	9938..10006, 9939..10007, 10099..10179, 10111..10458, 10112..10426, 10199..10246, 10213..10425, 10214..10426, 10358..10426, 10784..10972, 10785..10967		

Seq. No.	1000	Seq. ID	OJ990723_14.9A18.C7
Gene No.	2123	Strand	-
Start	16917	End	17323
Name	OJ990723_14.9A18.C7.o1.ts	Method	TBLASTX:Soybean
Start	9944	End	11086
GI	none	Score	106
Exons	9944..10006, 9945..10007, 10099..10179, 10111..10425, 10112..10426, 10784..11086, 10785..11054		

Seq. No.	1000	Seq. ID	OJ990723_14.9A18.C7
Gene No.	2123	Strand	-
Start	16917	End	17323
Name	OJ990723_14.9A18.C7.o2.tc	Method	TBLASTX:Cress
Start	10896	End	11089
GI	none	Score	222
Exons	10896..11054, 10898..11089		

Seq. No.	1000	Seq. ID	OJ990723_14.9A18.C7
Gene No.	2123	Strand	-
Start	16917	End	17323
Name	OJ990723_14.9A18.C7.o3.tm	Method	TBLASTX:Maize
Start	10973	End	11444
GI	none	Score	121
Exons	10973..11086, 10974..11054, 11056..11088, 11057..11089, 11173..11232, 11174..11239, 11192..11263, 11228..11260, 11233..11280, 11327..11413, 11371..11403, 11424..11444		

Seq. No.	1000	Seq. ID	OJ990723_14.9A18.C7
Gene No.	2123	Strand	-
Start	16917	End	17323
Name	OJ990723_14.9A18.C7.o2.tm	Method	TBLASTX:Maize
Start	13026	End	16752
GI	none	Score	74
Exons	13026..13118, 14693..14905, 14717..14905, 14724..14909, 15231..15329, 15552..15734, 15556..15699, 16200..16370, 16201..16371, 16418..16627, 16446..16670, 16453..16752, 16453..16701, 16455..16736		

Seq. No.	1000	Seq. ID	OJ990723_14.9A18.C7
Gene No.	2123	Strand	-
Start	16917	End	17323
Name	OJ990723_14.9A18.C7.o1.tw	Method	TBLASTX:Wheat
Start	16197	End	16680
GI	none	Score	76
Exons	16197..16349, 16200..16280, 16201..16371, 16446..16670, 16453..16680, 16453..16620, 16455..16670		

Seq. No.	1000	Seq. ID	OJ990723_14.9A18.C7
Gene No.	2123	Strand	-
Start	16917	End	17323

Name	OJ990723_14.9A18.C7.o2.ts	Method	TBLASTX:Soybean
Start	16200	End	16740
GI	none	Score	224
Exons	16200..16370, 16201..16371, 16449..16619, 16449..16736, 16450..16740		

Seq. No.	1000	Seq. ID	OJ990723_14.9A18.C7
Gene No.	2123	Strand	-
Start	16917	End	17323
Name	OJ990723_14.9A18.C7.o2.gp	Method	AAT/GAP
Start	16917	End	17323
GI	none	Score	798
Exons	16917..17323		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2124	Strand	+
Start	1	End	1979
Name	OJ990723_14.9A18.C8.o1.gp	Method	AAT/GAP
Start	1	End	1979
GI	599 2.R1084	Score	902
Exons	1..36, 138..222, 404..534, 1520..1778, 1932..1979		
GI Descrip.	'1350969/sp P49216 RS26_ORYSA 2.0e-41 40S RIBOSOMAL PROTEIN S26 (S31) >gi_971284_dbj_BAA07208_ (D38011) ribosomal protein S31 [Oryza sativa]'		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2124	Strand	+
Start	1	End	1979
Name	OJ990723_14.9A18.C8.o1.np	Method	AAT/NAP
Start	1	End	1606
GI	1350969	Score	518
Exons	1..36, 138..222, 404..534, 1520..1606		
GI Descrip.	40S RIBOSOMAL PROTEIN S26 (S31) gi 971284 dbj BAA07208 (D38011) ribosomal protein S31 [Oryza sativa]		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2124	Strand	+
Start	1	End	1979
Name	OJ990723_14.9A18.C8.o1.gs	Method	GENSCAN
Start	138	End	1676
GI	none	Score	.73
Exons	138..222, 404..534, 1503..1676		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2125	Strand	+
Start	15654	End	22503
Name	OJ990723_14.9A18.C8.o4.gs	Method	GENSCAN
Start	15654	End	22386
GI	none	Score	.51
Exons	15654..15716, 15850..16043, 18937..19002, 19148..19507, 19638..19759, 20181..20356, 20640..20806, 21713..21905, 22040..22103, 22217..22386		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2125	Strand	+
Start	15654	End	22503
Name	OJ990723_14.9A18.C8.o2.gp	Method	AAT/GAP

Start	21573	End	22503
GI	4850 1.R1084	Score	1295
Exons	21573..21905, 22040..22103, 22217..22503		
GI Descrip.	'499099 2.0e-27 (U09942) beta-galactosidase alpha-peptide [Cloning vector pDB31]'		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2126	Strand	+
Start	24847	End	27685
Name	OJ990723_14.9A18.C8.o6.gs	Method	GENSCAN
Start	24847	End	26130
GI	none	Score	.83
Exons	24847..24976, 25649..26130		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2126	Strand	+
Start	24847	End	27685
Name	OJ990723_14.9A18.C8.o5.np	Method	AAT/NAP
Start	25992	End	27685
GI	3033395	Score	57
Exons	25992..26113, 27657..27685		
GI Descrip.	(AC004238) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2127	Strand	+
Start	34257	End	38558
Name	OJ990723_14.9A18.C8.o8.gs	Method	GENSCAN
Start	34257	End	38558
GI	none	Score	.53
Exons	34257..34408, 36522..36587, 38419..38558		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2128	Strand	-
Start	14051	End	15184
Name	OJ990723_14.9A18.C8.o2.np	Method	AAT/NAP
Start	14051	End	15184
GI	1946376	Score	283
Exons	14051..14467, 14531..15020, 15115..15184		
GI Descrip.	(U93215) unknown protein [Arabidopsis thaliana]		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2129	Strand	-
Start	22768	End	24081
Name	OJ990723_14.9A18.C8.o5.gs	Method	GENSCAN
Start	22768	End	24081
GI	none	Score	.57
Exons	22768..24081		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2129	Strand	-
Start	22768	End	24081
Name	OJ990723_14.9A18.C8.o3.np	Method	AAT/NAP
Start	22774	End	23964
GI	2583128	Score	502
Exons	22774..23964		
GI Descrip.	(AC002387) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2129	Strand	-
Start	22768	End	24081
Name	OJ990723_14.9A18.C8.o4.np	Method	AAT/NAP
Start	22882	End	23882
GI	2911054	Score	354
Exons	22882..23094, 23139..23882		
GI Descrip.	(AL021961) putative protein [Arabidopsis thaliana]		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2130	Strand	-
Start	31462	End	33843
Name	OJ990723_14.9A18.C8.o6.np	Method	AAT/NAP
Start	31462	End	33843
GI	6523054	Score	533
Exons	31462..31572, 31972..33843		
GI Descrip.	(AL133314) arm repeat containing protein homolog [Arabidopsis thaliana]		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2130	Strand	-
Start	31462	End	33843
Name	OJ990723_14.9A18.C8.o3.gp	Method	AAT/GAP
Start	31580	End	32176
GI	15819_1.R1084	Score	1159
Exons	31580..32176		
GI Descrip.	'2462822 4.0e-16 (AF000657) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2130	Strand	-
Start	31462	End	33843
Name	OJ990723_14.9A18.C8.o4.gp	Method	AAT/GAP
Start	32546	End	32957
GI	5005341	Score	817
Exons	32546..32957		
GI Descrip.	2462822 4.0e-16 (AF000657) hypothetical protein. [Arabidopsis thaliana]		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2131	Strand	-
Start	35736	End	36827
Name	OJ990723_14.9A18.C8.o3.tc	Method	TBLASTX:Cress
Start	14051	End	14258
GI	none	Score	81
Exons	14051..14257, 14172..14258		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2131	Strand	-
Start	35736	End	36827
Name	OJ990723_14.9A18.C8.o3.tw	Method	TBLASTX:Wheat
Start	17802	End	18224
GI	none	Score	205
Exons	17802..18224		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
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Gene No.	2131	Strand	-
Start	35736	End	36827
Name	OJ990723_14.9A18.C8.o5.tm	Method	TBLASTX:Maize
Start	18165	End	18567
GI	none	Score	65
Exons	18165..18224, 18261..18563, 18472..18567		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2131	Strand	-
Start	35736	End	36827
Name	OJ990723_14.9A18.C8.o4.tm	Method	TBLASTX:Maize
Start	21615	End	22310
GI	none	Score	64
Exons	21615..21683, 21623..21685, 21627..21686, 21711..21767, 21762..21905, 21775..21903, 21786..21905, 22035..22097, 22037..22120, 22037..22120, 22039..22122, 22211..22309, 22216..22308, 22251..22310		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2131	Strand	-
Start	35736	End	36827
Name	OJ990723_14.9A18.C8.o2.ts	Method	TBLASTX:Soybean
Start	21753	End	22404
GI	none	Score	170
Exons	21753..21905, 21779..21904, 22037..22120, 22039..22122, 22199..22393, 22216..22404, 22251..22388		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2131	Strand	-
Start	35736	End	36827
Name	OJ990723_14.9A18.C8.o1.tc	Method	TBLASTX:Cress
Start	21795	End	22386
GI	none	Score	129
Exons	21795..21905, 22037..22120, 22039..22122, 22211..22279, 22216..22386, 22251..22385		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2131	Strand	-
Start	35736	End	36827
Name	OJ990723_14.9A18.C8.o3.tm	Method	TBLASTX:Maize
Start	22784	End	23844
GI	none	Score	78
Exons	22784..22873, 22792..22872, 22862..23176, 22862..23113, 22876..23190, 23017..23202, 23221..23451, 23683..23844		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2131	Strand	-
Start	35736	End	36827
Name	OJ990723_14.9A18.C8.o3.ts	Method	TBLASTX:Soybean
Start	22814	End	23190
GI	none	Score	69
Exons	22814..22873, 22862..22948, 22897..22950, 22951..23190, 22961..23164, 23017..23190		

Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2131	Strand	-
Start	35736	End	36827

Name	OJ990723_14.9A18.C8.o4.tc	Method	TBLASTX:Cress
Start	22906	End	23202
GI	none	Score	37
Exons	22906..22977, 22906..23202, 22961..23164		
Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2131	Strand	-
Start	35736	End	36827
Name	OJ990723_14.9A18.C8.o4.ts	Method	TBLASTX:Soybean
Start	23254	End	23844
GI	none	Score	107
Exons	23254..23451, 23503..23640, 23671..23844		
Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2131	Strand	-
Start	35736	End	36827
Name	OJ990723_14.9A18.C8.o2.tm	Method	TBLASTX:Maize
Start	32059	End	32464
GI	none	Score	416
Exons	32059..32463, 32059..32439, 32277..32456, 32366..32464		
Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2131	Strand	-
Start	35736	End	36827
Name	OJ990723_14.9A18.C8.o1.ts	Method	TBLASTX:Soybean
Start	32248	End	33102
GI	none	Score	151
Exons	32248..32400, 32494..32562, 32539..32688, 32545..32754, 32872..33102, 32876..33082		
Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2131	Strand	-
Start	35736	End	36827
Name	OJ990723_14.9A18.C8.o6.tm	Method	TBLASTX:Maize
Start	32464	End	32719
GI	none	Score	113
Exons	32464..32718, 32465..32719		
Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2131	Strand	-
Start	35736	End	36827
Name	OJ990723_14.9A18.C8.o1.tw	Method	TBLASTX:Wheat
Start	32486	End	32905
GI	none	Score	375
Exons	32486..32905, 32488..32904		
Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8
Gene No.	2131	Strand	-
Start	35736	End	36827
Name	OJ990723_14.9A18.C8.o1.tm	Method	TBLASTX:Maize
Start	32785	End	33542
GI	none	Score	257
Exons	32785..33120, 32786..33082, 32866..33129, 33151..33222, 33157..33300, 33158..33427, 33361..33426, 33442..33483, 33459..33542		
Seq. No.	1001	Seq. ID	OJ990723_14.9A18.C8

Gene No. 2131
 Start 35736
 Name OJ990723_14.9A18.C8.o2.tc
 Start 32872
 GI none
 Exons 32872..33093, 32873..33082

Strand -
 End 36827
 Method TBLASTX:Cress
 End 33093
 Score 131

Seq. No. 1001
 Gene No. 2131
 Start 35736
 Name OJ990723_14.9A18.C8.o2.tw
 Start 32906
 GI none
 Exons 32906..33082, 32906..32986, 32908..33108, 32908..33111, 33048..33128, 33085..33213, 33118..33213

Seq. ID OJ990723_14.9A18.C8
 Strand -
 End 36827
 Method TBLASTX:Wheat
 End 33213
 Score 251

Seq. No. 1001
 Gene No. 2131
 Start 35736
 Name OJ990723_14.9A18.C8.o7.tm
 Start 33544
 GI none
 Exons 33544..33732, 33562..33636, 33572..33730

Seq. ID OJ990723_14.9A18.C8
 Strand -
 End 36827
 Method TBLASTX:Maize
 End 33732
 Score 89

Seq. No. 1001
 Gene No. 2131
 Start 35736
 Name OJ990723_14.9A18.C8.o7.np
 Start 35736
 GI 6815053
 Exons 35736..35971, 36021..36175, 36659..36827
 GI Descrip. (AP001080) hypothetical protein [Oryza sativa]

Seq. ID OJ990723_14.9A18.C8
 Strand -
 End 36827
 Method AAT/NAP
 End 36827
 Score 727

Seq. No. 1002
 Gene No. 2132
 Start 133
 Name OJ990723_14.9A18.C9.o1.gs
 Start 133
 GI none
 Exons 133..300, 847..1077

Seq. ID OJ990723_14.9A18.C9
 Strand +
 End 1077
 Method GENSCAN
 End 1077
 Score .41

Seq. No. 1002
 Gene No. 2133
 Start 1
 Name OJ990723_14.9A18.C9.o1.np
 Start 1
 GI 6456162
 Exons 1..122, 150..314, 1572..1629
 GI Descrip. (AC011622) putative cytochrome P450 [Arabidopsis thaliana]

Seq. ID OJ990723_14.9A18.C9
 Strand -
 End 1629
 Method AAT/NAP
 End 1629
 Score 88

Seq. No. 1003
 Gene No. 2134
 Start 48
 Name OJ990723_14.9A18.C10.o1.gs
 Start 48
 GI none
 Exons 48..202, 347..450, 878..1029, 1241..1433

Seq. ID OJ990723_14.9A18.C10
 Strand +
 End 1433
 Method GENSCAN
 End 1433
 Score .59

Seq. No.	1003	Seq. ID	OJ990723_14.9A18.C10
Gene No.	2135	Strand	-
Start	2574	End	2982
Name	OJ990723_14.9A18.C10.o2.gs	Method	GENSCAN
Start	2574	End	2982
GI	none	Score	.74
Exons	2574..2606, 2663..2759, 2765..2982		

Seq. No.	1003	Seq. ID	OJ990723_14.9A18.C10
Gene No.	2136	Strand	-
Start	4184	End	5527
Name	OJ990723_14.9A18.C10.o3.gs	Method	GENSCAN
Start	4184	End	5527
GI	none	Score	.79
Exons	4184..4330, 4689..4790, 5369..5527		

Seq. No.	1004	Seq. ID	OJ990723_14.9A18.C11
Gene No.	2137	Strand	+
Start	1630	End	2016
Name	OJ990723_14.9A18.C11.o1.gs	Method	GENSCAN
Start	1630	End	2016
GI	none	Score	.81
Exons	1630..1743, 1951..2016		

Seq. No.	1004	Seq. ID	OJ990723_14.9A18.C11
Gene No.	2138	Strand	+
Start	2416	End	3060
Name	OJ990723_14.9A18.C11.o1.np	Method	AAT/NAP
Start	2416	End	3060
GI	6721543	Score	87
Exons	2416..2545, 3000..3060		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	1004	Seq. ID	OJ990723_14.9A18.C11
Gene No.	2139	Strand	-
Start	2368	End	2508
Name	OJ990723_14.9A18.C11.o2.gs	Method	GENSCAN
Start	2368	End	2508
GI	none	Score	.57
Exons	2368..2508		

Seq. No.	1005	Seq. ID	OJ990723_14.9A18.C14
Gene No.	2140	Strand	+
Start	1903	End	2019
Name	OJ990723_14.9A18.C14.o1.gp	Method	AAT/GAP
Start	1903	End	2019
GI	LIB3431-045-P1-N1-A10	Score	197
Exons	1903..2019		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	1005	Seq. ID	OJ990723_14.9A18.C14
Gene No.	2141	Strand	-
Start	1568	End	5511
Name	OJ990723_14.9A18.C14.o1.gs	Method	GENSCAN
Start	1568	End	5494

GI	none	Score	.63
Exons	1568..1690, 2458..2658, 3020..3137, 3142..3189, 3253..3384, 3485..3540, 3698..3880, 3973..4179, 4473..4598, 4690..5095, 5165..5287, 5346..5494		

Seq. No.	1005	Seq. ID	OJ990723_14.9A18.C14
Gene No.	2141	Strand	-
Start	1568	End	5511
Name	OJ990723_14.9A18.C14.o1.np	Method	AAT/NAP
Start	2903	End	5511
GI	5441880	Score	2247
Exons	2903..3137, 3253..3384, 3631..3728, 3973..4231, 4300..4598, 4907..5240, 5346..5511		

GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	1005	Seq. ID	OJ990723_14.9A18.C14
Gene No.	2141	Strand	-
Start	1568	End	5511
Name	OJ990723_14.9A18.C14.o2.gp	Method	AAT/GAP
Start	3981	End	4472
GI	LIB3475-007-P1-K1-G8	Score	794
Exons	3981..4231, 4300..4472		

GI Descrip. '5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'

Seq. No.	1006	Seq. ID	OJ990723_14.9A18.C15
Gene No.	2142	Strand	-
Start	1	End	1501
Name	OJ990723_14.9A18.C15.o1.np	Method	AAT/NAP
Start	1	End	1501
GI	5441880	Score	1067
Exons	1..456, 714..745, 1190..1501		

GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	1006	Seq. ID	OJ990723_14.9A18.C15
Gene No.	2142	Strand	-
Start	1	End	1501
Name	OJ990723_14.9A18.C15.o1.gs	Method	GENSCAN
Start	21	End	1310
GI	none	Score	.55
Exons	21..218, 518..1310		

Seq. No.	1006	Seq. ID	OJ990723_14.9A18.C15
Gene No.	2142	Strand	-
Start	1	End	1501
Name	OJ990723_14.9A18.C15.o1.tw	Method	TBLASTX:Wheat
Start	960	End	1352
GI	none	Score	85
Exons	960..1136, 990..1136, 1021..1140, 1134..1352, 1146..1340, 1186..1341		

Seq. No.	1006	Seq. ID	OJ990723_14.9A18.C15
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Gene No.	2142	Strand	-
Start	1	End	1501
Name	OJ990723_14.9A18.C15.o1.gp	Method	AAT/GAP
Start	1160	End	1501
GI	5701669	Score	658
Exons	1160..1501		
GI Descrip.	5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	1007	Seq. ID	OJ990503_12.9A01.C1
Gene No.	2143	Strand	+
Start	68	End	785
Name	OJ990503_12.9A01.C1.o1.gp	Method	AAT/GAP
Start	68	End	575
GI	uC-osrocyp011h09b1	Score	980
Exons	68..575		
GI Descrip.	'1402906/emb CAA66958 3.0e-31 (X98314) peroxidase [Arabidopsis thaliana] >gi_4468977_emb CAB38291_ (AL035605) peroxidase, prxr2 [Arabidopsis thaliana]'		

Seq. No.	1007	Seq. ID	OJ990503_12.9A01.C1
Gene No.	2143	Strand	+
Start	68	End	785
Name	OJ990503_12.9A01.C1.o1.gs	Method	GENSCAN
Start	244	End	672
GI	none	Score	.52
Exons	244..672		

Seq. No.	1007	Seq. ID	OJ990503_12.9A01.C1
Gene No.	2143	Strand	+
Start	68	End	785
Name	OJ990503_12.9A01.C1.o1.np	Method	AAT/NAP
Start	244	End	785
GI	1402906	Score	440
Exons	244..785		
GI Descrip.	(X98314) peroxidase [Arabidopsis thaliana] gi 4468977 emb CAB38291 (AL035605) peroxidase, prxr2 [Arabidopsis thaliana]		

Seq. No.	1007	Seq. ID	OJ990503_12.9A01.C1
Gene No.	2143	Strand	+
Start	68	End	785
Name	OJ990503_12.9A01.C1.o1.tc	Method	TBLASTX:Cress
Start	283	End	672
GI	none	Score	472
Exons	283..672, 327..659		

Seq. No.	1007	Seq. ID	OJ990503_12.9A01.C1
Gene No.	2143	Strand	+
Start	68	End	785
Name	OJ990503_12.9A01.C1.o1.tw	Method	TBLASTX:Wheat
Start	286	End	672
GI	none	Score	273
Exons	286..600, 363..647, 582..668, 610..672		

Seq. No.	1007	Seq. ID	OJ990503_12.9A01.C1
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Gene No. 2143
 Start 68
 Name OJ990503_12.9A01.C1.o1.tm
 Start 305
 GI none
 Exons 305..379, 309..674, 310..675

Strand +
 End 785
 Method TBLASTX:Maize
 End 675
 Score 93

Seq. No. 1007
 Gene No. 2143
 Start 68
 Name OJ990503_12.9A01.C1.o1.ts
 Start 325
 GI none
 Exons 325..672, 342..671

Seq. ID OJ990503_12.9A01.C1
 Strand +
 End 785
 Method TBLASTX:Soybean
 End 672
 Score 471

Seq. No. 1008
 Gene No. 2144
 Start 1
 Name OJ990503_12.9A01.C2.o1.gp
 Start 1
 GI 739_1.R1084
 Exons 1..76, 1464..1593, 1754..1847

Seq. ID OJ990503_12.9A01.C2
 Strand +
 End 2145
 Method AAT/GAP
 End 1847
 Score 431

GI Descrip. '3821793/emb|CAA72290.1| 1.0e-180 (Y11526) casein kinase II
 alpha subunit [Zea mays]'

Seq. No. 1008
 Gene No. 2144
 Start 1
 Name OJ990503_12.9A01.C2.o1.np
 Start 1
 GI 3821795
 Exons 1..76, 1464..1593, 1754..2145
 GI Descrip. (Y11649) protein kinase CK2, alpha subunit [Zea mays]

Seq. ID OJ990503_12.9A01.C2
 Strand +
 End 2145
 Method AAT/NAP
 End 2145
 Score 377

Seq. No. 1008
 Gene No. 2144
 Start 1
 Name OJ990503_12.9A01.C2.o1.gs
 Start 16
 GI none
 Exons 16..76, 1436..1593

Seq. ID OJ990503_12.9A01.C2
 Strand +
 End 2145
 Method GENSCAN
 End 1593
 Score .5

Seq. No. 1009
 Gene No. 2145
 Start 109
 Name OJ990503_12.9A01.C4.o1.gs
 Start 109
 GI none
 Exons 109..247

Seq. ID OJ990503_12.9A01.C4
 Strand -
 End 247
 Method GENSCAN
 End 247
 Score .83

Seq. No. 1010
 Gene No. 2146
 Start 112
 Name OJ990503_12.9A01.C7.o1.gs
 Start 112
 GI none
 Exons 112..276

Seq. ID OJ990503_12.9A01.C7
 Strand +
 End 276
 Method GENSCAN
 End 276
 Score .83

Seq. No. 1011
 Gene No. 2147
 Start 764
 Name OJ990503_12.9A01.C9.o1.gs
 Start 764
 GI none
 Exons 764..817, 882..992

Seq. ID OJ990503_12.9A01.C9
 Strand +
 End 992
 Method GENSCAN
 End 992
 Score .68

Seq. No. 1012
 Gene No. 2148
 Start 245
 Name OJ990503_12.9A01.C10.o1.gs
 Start 245
 GI none
 Exons 245..779

Seq. ID OJ990503_12.9A01.C10
 Strand +
 End 779
 Method GENSCAN
 End 779
 Score .89

Seq. No. 1013
 Gene No. 2149
 Start 964
 Name OJ990503_12.9A01.C12.o2.tm
 Start 639
 GI none
 Exons 639..980, 681..908, 836..958

Seq. ID OJ990503_12.9A01.C12
 Strand +
 End 1840
 Method TBLASTX:Maize
 End 980
 Score 266

Seq. No. 1013
 Gene No. 2149
 Start 964
 Name OJ990503_12.9A01.C12.o1.np
 Start 964
 GI 6967112
 Exons 964..1034, 1133..1825
 GI Descrip. (AL138652) putative protein [Arabidopsis thaliana]

Seq. ID OJ990503_12.9A01.C12
 Strand +
 End 1840
 Method AAT/NAP
 End 1825
 Score 431

Seq. No. 1013
 Gene No. 2149
 Start 964
 Name OJ990503_12.9A01.C12.o1.tm
 Start 1132
 GI none
 Exons 1132..1245, 1135..1443, 1136..1513, 1282..1515, 1332..1499

Seq. ID OJ990503_12.9A01.C12
 Strand +
 End 1840
 Method TBLASTX:Maize
 End 1515
 Score 41

Seq. No. 1013
 Gene No. 2149
 Start 964
 Name OJ990503_12.9A01.C12.o1.ts
 Start 1133
 GI none
 Exons 1133..1333, 1135..1311, 1340..1504, 1360..1425

Seq. ID OJ990503_12.9A01.C12
 Strand +
 End 1840
 Method TBLASTX:Soybean
 End 1504
 Score 189

Seq. No. 1013
 Gene No. 2149
 Start 964
 Name OJ990503_12.9A01.C12.o1.tw
 Start 1174
 GI none
 Exons 1174..1572, 1175..1591, 1176..1589

Seq. ID OJ990503_12.9A01.C12
 Strand +
 End 1840
 Method TBLASTX:Wheat
 End 1591
 Score 598

Seq. No.	1013	Seq. ID	OJ990503_12.9A01.C12
Gene No.	2149	Strand	+
Start	964	End	1840
Name	OJ990503_12.9A01.C12.o3.tm	Method	TBLASTX:Maize
Start	1517	End	1840
GI	none	Score	260
Exons	1517..1840, 1519..1668		

Seq. No.	1014	Seq. ID	OJ990503_12.9A01.C13
Gene No.	2150	Strand	
Start	427	End	744
Name	OJ990503_12.9A01.C13.o1.tw	Method	TBLASTX:Wheat
Start	427	End	744
GI	none	Score	66
Exons	427..480, 493..663, 667..744		

Seq. No.	1015	Seq. ID	OJ990503_12.9A01.C14
Gene No.	2151	Strand	+
Start	609	End	7334
Name	OJ990503_12.9A01.C14.o1.gs	Method	GENSCAN
Start	609	End	7254
GI	none	Score	.52
Exons	609..841, 995..1058, 1060..1953, 2379..3738, 3910..3994, 4049..5562, 5704..7254		

Seq. No.	1015	Seq. ID	OJ990503_12.9A01.C14
Gene No.	2151	Strand	+
Start	609	End	7334
Name	OJ990503_12.9A01.C14.o2.np	Method	AAT/NAP
Start	2042	End	7334
GI	6069646	Score	2707
Exons	2042..2062, 3808..3883, 5222..6068, 6351..7334		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	1015	Seq. ID	OJ990503_12.9A01.C14
Gene No.	2152	Strand	-
Start	1	End	4265
Name	OJ990503_12.9A01.C14.o1.np	Method	AAT/NAP
Start	1	End	4265
GI	465445	Score	110
Exons	1..24, 337..693, 887..1091, 1583..1786, 2232..2427, 2967..3328, 3669..3897, 4208..4265		
GI Descrip.	PROBABLE NUCLEAR ANTIGEN gi 418708 pir B45344 probable nuclear antigen - suid herpesvirus 1 (strain Kaplan) gi 334072 (M34651) ORF-3 protein [Pseudorabies virus]		

Seq. No.	1015	Seq. ID	OJ990503_12.9A01.C14
Gene No.	2153	Strand	
Start	4630	End	5091
Name	OJ990503_12.9A01.C14.o4.tm	Method	TBLASTX:Maize
Start	4630	End	5091
GI	none	Score	87

Exons 4630..4749, 4747..5091, 4752..4949

Seq. No.	1015	Seq. ID	OJ990503_12.9A01.C14
Gene No.	2154	Strand	
Start	5098	End	5592
Name	OJ990503_12.9A01.C14.o2.tm	Method	TBLASTX:Maize
Start	5098	End	5592
GI	none	Score	131
Exons	5098..5247, 5121..5231, 5271..5504, 5272..5514, 5509..5592, 5526..5585		

Seq. No.	1015	Seq. ID	OJ990503_12.9A01.C14
Gene No.	2154	Strand	
Start	5098	End	5592
Name	OJ990503_12.9A01.C14.o3.tw	Method	TBLASTX:Wheat
Start	5170	End	5505
GI	none	Score	81
Exons	5170..5316, 5299..5505		

Seq. No.	1015	Seq. ID	OJ990503_12.9A01.C14
Gene No.	2155	Strand	
Start	5530	End	6372
Name	OJ990503_12.9A01.C14.o4.tw	Method	TBLASTX:Wheat
Start	5530	End	5802
GI	none	Score	181
Exons	5530..5802, 5703..5798		

Seq. No.	1015	Seq. ID	OJ990503_12.9A01.C14
Gene No.	2155	Strand	
Start	5530	End	6372
Name	OJ990503_12.9A01.C14.o1.tm	Method	TBLASTX:Maize
Start	5596	End	6293
GI	none	Score	88
Exons	5596..5763, 5600..5764, 5605..6291, 5784..6293		

Seq. No.	1015	Seq. ID	OJ990503_12.9A01.C14
Gene No.	2155	Strand	
Start	5530	End	6372
Name	OJ990503_12.9A01.C14.o1.tw	Method	TBLASTX:Wheat
Start	5932	End	6372
GI	none	Score	219
Exons	5932..6234, 5937..6191, 6244..6372		

Seq. No.	1015	Seq. ID	OJ990503_12.9A01.C14
Gene No.	2156	Strand	
Start	6514	End	6759
Name	OJ990503_12.9A01.C14.o5.tm	Method	TBLASTX:Maize
Start	6514	End	6759
GI	none	Score	216
Exons	6514..6759		

Seq. No.	1015	Seq. ID	OJ990503_12.9A01.C14
Gene No.	2157	Strand	
Start	6760	End	7230
Name	OJ990503_12.9A01.C14.o3.tm	Method	TBLASTX:Maize
Start	6760	End	7230
GI	none	Score	311

Exons 6760..7095, 6864..7070, 7096..7230

Seq. No.	1015	Seq. ID	OJ990503_12.9A01.C14
Gene No.	2157	Strand	
Start	6760	End	7230
Name	OJ990503_12.9A01.C14.o2.tw	Method	TBLASTX:Wheat
Start	6856	End	7209
GI	none	Score	211
Exons	6856..7053, 6885..7049, 7174..7209		

Seq. No.	1016	Seq. ID	OJ990503_12.9A01.C15
Gene No.	2158	Strand	-
Start	1250	End	1359
Name	OJ990503_12.9A01.C15.o1.gs	Method	GENSCAN
Start	1250	End	1359
GI	none	Score	.91
Exons	1250..1268, 1301..1359		

Seq. No.	1017	Seq. ID	OJ990503_12.9A01.C16
Gene No.	2159	Strand	+
Start	3111	End	5382
Name	OJ990503_12.9A01.C16.o1.gs	Method	GENSCAN
Start	3111	End	5357
GI	none	Score	.63
Exons	3111..3448, 3603..4920, 4959..5357		

Seq. No.	1017	Seq. ID	OJ990503_12.9A01.C16
Gene No.	2159	Strand	+
Start	3111	End	5382
Name	OJ990503_12.9A01.C16.o1.np	Method	AAT/NAP
Start	3590	End	5382
GI	4680339	Score	85
Exons	3590..3627, 5145..5382		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	1018	Seq. ID	OJ990503_12.9A01.C17
Gene No.	2160	Strand	-
Start	799	End	2173
Name	OJ990503_12.9A01.C17.o1.gs	Method	GENSCAN
Start	799	End	2173
GI	none	Score	.86
Exons	799..888, 984..1091, 1266..1355, 1452..1568, 2090..2173		

Seq. No.	1019	Seq. ID	OJ990503_12.9A01.C20
Gene No.	2161	Strand	+
Start	228	End	417
Name	OJ990503_12.9A01.C20.o1.tm	Method	TBLASTX:Maize
Start	69	End	338
GI	none	Score	198
Exons	69..338, 75..131, 101..280		

Seq. No.	1019	Seq. ID	OJ990503_12.9A01.C20
Gene No.	2161	Strand	+
Start	228	End	417
Name	OJ990503_12.9A01.C20.o1.gs	Method	GENSCAN
Start	228	End	417
GI	none	Score	.42

Exons 228..417

Seq. No. 1020
Gene No. 2162
Start 56
Name OJ990503_12.9A01.C25.o1.gs
Start 56
GI none
Exons 56..358

Seq. ID OJ990503_12.9A01.C25
Strand -
End 358
Method GENSCAN
End 358
Score .83

Seq. No. 1021
Gene No. 2163
Start 210
Name OJ990503_12.9A01.C29.o1.gs
Start 210
GI none
Exons 210..543

Seq. ID OJ990503_12.9A01.C29
Strand +
End 543
Method GENSCAN
End 543
Score .6

Seq. No. 1022
Gene No. 2164
Start 2678
Name OJ990503_12.9A01.C30.o2.gp
Start 2678
GI none
Exons 2678..3217

Seq. ID OJ990503_12.9A01.C30
Strand +
End 3217
Method AAT/GAP
End 3217
Score .935

Seq. No. 1022
Gene No. 2165
Start 11401
Name OJ990503_12.9A01.C30.o3.gp
Start 11401
GI 40965_1.R1084
Exons 11401..11849

Seq. ID OJ990503_12.9A01.C30
Strand +
End 11849
Method AAT/GAP
End 11849
Score 886

GI Descrip. '1546696/emb|CAA67339| 4.0e-35 (X98807) peroxidase ATP21a
[Arabidopsis thaliana]'

Seq. No. 1022
Gene No. 2166
Start 1
Name OJ990503_12.9A01.C30.o1.gp
Start 1
GI none
Exons 1..223

Seq. ID OJ990503_12.9A01.C30
Strand -
End 223
Method AAT/GAP
End 223
Score 423

Seq. No. 1022
Gene No. 2167
Start 2985
Name OJ990503_12.9A01.C30.o1.gs
Start 2985
GI none
Exons 2985..3181, 3297..3498, 4202..4255

Seq. ID OJ990503_12.9A01.C30
Strand -
End 4255
Method GENSCAN
End 4255
Score .86

Seq. No. 1022
Gene No. 2168
Start 6550
Name OJ990503_12.9A01.C30.o2.gs
Start 6550

Seq. ID OJ990503_12.9A01.C30
Strand -
End 12307
Method GENSCAN
End 10568

GI none Score .47
 Exons 6550..6624, 7739..7898, 8244..8296, 8594..9043, 9224..9355,
 9611..9747, 9860..10568

Seq. No. 1022 Seq. ID OJ990503_12.9A01.C30
 Gene No. 2168 Strand -
 Start 6550 End 12307
 Name OJ990503_12.9A01.C30.o1.np Method AAT/NAP
 Start 8555 End 12307
 GI 5739323 Score 1207
 Exons 8555..9789, 10067..10833, 12277..12307
 GI Descrip. (AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum
 vulgare]

Seq. No. 1022 Seq. ID OJ990503_12.9A01.C30
 Gene No. 2168 Strand -
 Start 6550 End 12307
 Name OJ990503_12.9A01.C30.o1.tm Method TBLASTX:Maize
 Start 8765 End 10750
 GI none Score 50
 Exons 8765..8830, 8768..8815, 8773..8817, 8837..8887, 8838..8888,
 8860..9186, 8868..9191, 8869..9180, 8928..9191, 9287..9496,
 9596..9715, 10122..10220, 10308..10499, 10308..10496,
 10374..10529, 10631..10750

Seq. No. 1022 Seq. ID OJ990503_12.9A01.C30
 Gene No. 2168 Strand -
 Start 6550 End 12307
 Name OJ990503_12.9A01.C30.o2.tc Method TBLASTX:Cress
 Start 8847 End 10753
 GI none Score 36
 Exons 8847..8972, 8972..9193, 8972..9169, 8972..9142, 8972..9136,
 8975..9169, 8975..9160, 9005..9133, 9006..9113, 9027..9134,
 9281..9580, 9281..9562, 9287..9568, 9287..9562, 9287..9562,
 9293..9442, 9296..9574, 9296..9469, 9296..9568, 9314..9562,
 9315..9548, 9377..9571, 9560..9691, 9593..9715, 9596..9772,
 9596..9763, 9596..9685, 9596..9715, 9597..9680, 9689..9772,
 9722..9772, 9762..9845, 9801..9845, 9801..9839, 9855..9911,
 10167..10247, 10218..10541, 10299..10499, 10299..10499,
 10299..10490, 10299..10499, 10308..10499, 10548..10610,
 10628..10753, 10634..10750, 10637..10753, 10637..10750,
 10637..10750, 10682..10753

Seq. No. 1022 Seq. ID OJ990503_12.9A01.C30
 Gene No. 2168 Strand -
 Start 6550 End 12307
 Name OJ990503_12.9A01.C30.o3.ts Method TBLASTX:Soybean
 Start 8975 End 10801
 GI none Score 66
 Exons 8975..9160, 9026..9136, 9027..9185, 9287..9562, 9287..9580,
 9287..9508, 9314..9583, 9314..9439, 9315..9506, 9380..9568,
 9551..9610, 9595..9714, 9596..9715, 9596..9715, 10224..10439,
 10227..10529, 10299..10490, 10308..10499, 10374..10499,
 10634..10732, 10637..10801, 10637..10750, 10652..10741

Seq. No. 1022 Seq. ID OJ990503_12.9A01.C30
 Gene No. 2168 Strand -

Start 6550
 Name OJ990503_12.9A01.C30.o2.ts
 Start 9873
 GI none
 Exons 9873..10220

End 12307
 Method TBLASTX:Soybean
 End 10220
 Score 220

Seq. No. 1022
 Gene No. 2168
 Start 6550
 Name OJ990503_12.9A01.C30.o1.tc
 Start 11546
 GI none
 Exons 11546..11884, 11547..11882, 11891..11956

Seq. ID OJ990503_12.9A01.C30
 Strand -
 End 12307
 Method TBLASTX:Cress
 End 11956
 Score 194

Seq. No. 1022
 Gene No. 2168
 Start 6550
 Name OJ990503_12.9A01.C30.o3.gs
 Start 11546
 GI none
 Exons 11546..11940

Seq. ID OJ990503_12.9A01.C30
 Strand -
 End 12307
 Method GENSCAN
 End 11940
 Score .64

Seq. No. 1022
 Gene No. 2168
 Start 6550
 Name OJ990503_12.9A01.C30.o1.ts
 Start 11549
 GI none
 Exons 11549..11731, 11552..11956, 11556..11936

Seq. ID OJ990503_12.9A01.C30
 Strand -
 End 12307
 Method TBLASTX:Soybean
 End 11956
 Score 92

Seq. No. 1022
 Gene No. 2168
 Start 6550
 Name OJ990503_12.9A01.C30.o2.np
 Start 11549
 GI 1546696
 Exons 11549..12021
 GI Descrip. (X98807) peroxidase ATP21a [Arabidopsis thaliana]
 gi|6522917|emb|CAB62104.1| (AL132978) peroxidase ATP21a
 [Arabidopsis thaliana]

Seq. ID OJ990503_12.9A01.C30
 Strand -
 End 12307
 Method AAT/NAP
 End 12021
 Score 412

Seq. No. 1022
 Gene No. 2168
 Start 6550
 Name OJ990503_12.9A01.C30.o2.tm
 Start 11585
 GI none
 Exons 11585..11890, 11591..11731, 11677..11868, 11891..11956,
 11895..11939

Seq. ID OJ990503_12.9A01.C30
 Strand -
 End 12307
 Method TBLASTX:Maize
 End 11956
 Score 96

Seq. No. 1023
 Gene No. 2169
 Start 1
 Name OJ990503_12.9A01.C31.o1.gp
 Start 1
 GI 40965 1.R1084
 Exons 1..283

Seq. ID OJ990503_12.9A01.C31
 Strand +
 End 283
 Method AAT/GAP
 End 283
 Score 517

GI Descrip. '1546696/emb|CAA67339| 4.0e-35 (X98807) peroxidase ATP21a [Arabidopsis thaliana]'

Seq. No.	1023	Seq. ID	OJ990503_12.9A01.C31
Gene No.	2170	Strand	-
Start	1	End	1595
Name	OJ990503_12.9A01.C31.ol.np	Method	AAT/NAP
Start	1	End	1595
GI	1546696	Score	365
Exons	1..377, 1552..1595		
GI Descrip.	(X98807) peroxidase ATP21a [Arabidopsis thaliana] gi 6522917 emb CAB62104.1 (AL132978) peroxidase ATP21a [Arabidopsis thaliana]		

Seq. No.	1023	Seq. ID	OJ990503_12.9A01.C31
Gene No.	2170	Strand	-
Start	1	End	1595
Name	OJ990503_12.9A01.C31.ol.tc	Method	TBLASTX:Cress
Start	19	End	390
GI	none	Score	173
Exons	19..318, 29..316, 325..390		

Seq. No.	1023	Seq. ID	OJ990503_12.9A01.C31
Gene No.	2170	Strand	-
Start	1	End	1595
Name	OJ990503_12.9A01.C31.ol.tm	Method	TBLASTX:Maize
Start	19	End	390
GI	none	Score	96
Exons	19..324, 25..165, 111..302, 325..390, 329..373		

Seq. No.	1023	Seq. ID	OJ990503_12.9A01.C31
Gene No.	2170	Strand	-
Start	1	End	1595
Name	OJ990503_12.9A01.C31.ol.ts	Method	TBLASTX:Soybean
Start	25	End	390
GI	none	Score	241
Exons	25..390, 26..370		

Seq. No.	1024	Seq. ID	OJ990503_12.9A01.C32
Gene No.	2171	Strand	-
Start	1	End	902
Name	OJ990503_12.9A01.C32.ol.np	Method	AAT/NAP
Start	1	End	902
GI	4138647	Score	152
Exons	1..75, 500..671, 864..902		
GI Descrip.	(AJ011939) peroxidase [Trifolium repens]		

Seq. No.	1024	Seq. ID	OJ990503_12.9A01.C32
Gene No.	2171	Strand	-
Start	1	End	902
Name	OJ990503_12.9A01.C32.ol.tw	Method	TBLASTX:Wheat
Start	499	End	671
GI	none	Score	132
Exons	499..624, 507..671, 508..669		

Seq. No.	1024	Seq. ID	OJ990503_12.9A01.C32
Gene No.	2171	Strand	-

Start 1
 Name OJ990503_12.9A01.C32.o1.tc
 Start 504
 GI none
 Exons 504..671, 505..672

End 902
 Method TBLASTX:Cress
 End 672
 Score 150

Seq. No. 1024
 Gene No. 2171
 Start 1
 Name OJ990503_12.9A01.C32.o1.ts
 Start 504
 GI none
 Exons 504..671, 505..669

Seq. ID OJ990503_12.9A01.C32
 Strand -
 End 902
 Method TBLASTX:Soybean
 End 671
 Score 149

Seq. No. 1024
 Gene No. 2171
 Start 1
 Name OJ990503_12.9A01.C32.o1.gs
 Start 506
 GI none
 Exons 506..728

Seq. ID OJ990503_12.9A01.C32
 Strand -
 End 902
 Method GENSCAN
 End 728
 Score .5

Seq. No. 1024
 Gene No. 2171
 Start 1
 Name OJ990503_12.9A01.C32.o1.tm
 Start 507
 GI none
 Exons 507..671, 508..672

Seq. ID OJ990503_12.9A01.C32
 Strand -
 End 902
 Method TBLASTX:Maize
 End 672
 Score 170

Seq. No. 1025
 Gene No. 2172
 Start 2669
 Name OJ990503_12.9A01.C33.o2.gs
 Start 2669
 GI none
 Exons 2669..2759, 3096..3233, 3297..3412, 3447..4199

Seq. ID OJ990503_12.9A01.C33
 Strand +
 End 4199
 Method GENSCAN
 End 4199
 Score .65

Seq. No. 1025
 Gene No. 2173
 Start 5944
 Name OJ990503_12.9A01.C33.o3.gs
 Start 5944
 GI none
 Exons 5944..6027, 6272..6345, 6747..6906

Seq. ID OJ990503_12.9A01.C33
 Strand +
 End 6906
 Method GENSCAN
 End 6906
 Score .93

Seq. No. 1025
 Gene No. 2174
 Start 1
 Name OJ990503_12.9A01.C33.o1.np
 Start 1
 GI 1402906
 Exons 1..32, 274..727

Seq. ID OJ990503_12.9A01.C33
 Strand -
 End 903
 Method AAT/NAP
 End 727
 Score 429

GI Descrip. (X98314) peroxidase [Arabidopsis thaliana]
 gi|4468977|emb|CAB38291| (AL035605) peroxidase, prxr2
 [Arabidopsis thaliana]

Seq. No.	1025	Seq. ID	OJ990503_12.9A01.C33
Gene No.	2174	Strand	-
Start	1	End	903
Name	OJ990503_12.9A01.C33.o1.gs	Method	GENSCAN
Start	299	End	715
GI	none	Score	.5
Exons	299..715		
Seq. No.	1025	Seq. ID	OJ990503_12.9A01.C33
Gene No.	2174	Strand	-
Start	1	End	903
Name	OJ990503_12.9A01.C33.o1.gp	Method	AAT/GAP
Start	396	End	903
GI	uC-osrocyp011h09b1	Score	1000
Exons	396..903		
GI Descrip.	'1402906/emb CAA66958 3.0e-31 (X98314) peroxidase [Arabidopsis thaliana] >gi_4468977_emb_CAB38291_ (AL035605) peroxidase, prxr2. [Arabidopsis thaliana]'		
Seq. No.	1025	Seq. ID	OJ990503_12.9A01.C33
Gene No.	2175	Strand	-
Start	3677	End	4446
Name	OJ990503_12.9A01.C33.o3.np	Method	AAT/NAP
Start	3677	End	4446
GI	6016874	Score	101
Exons	3677..3912, 4350..4446		
GI Descrip.	(AP000570) ESTs C19143(E10020), D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	1025	Seq. ID	OJ990503_12.9A01.C33
Gene No.	2175	Strand	-
Start	3677	End	4446
Name	OJ990503_12.9A01.C33.o2.np	Method	AAT/NAP
Start	3933	End	4217
GI	6907093	Score	68
Exons	3933..4217		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	1025	Seq. ID	OJ990503_12.9A01.C33
Gene No.	2176	Strand	-
Start	8528	End	12499
Name	OJ990503_12.9A01.C33.o1.tm	Method	TBLASTX:Maize
Start	286	End	666
GI	none	Score	46
Exons	286..312, 290..370, 296..661, 297..656, 592..666		
Seq. No.	1025	Seq. ID	OJ990503_12.9A01.C33
Gene No.	2176	Strand	-
Start	8528	End	12499
Name	OJ990503_12.9A01.C33.o1.tc	Method	TBLASTX:Cress
Start	299	End	646
GI	none	Score	283
Exons	299..646, 312..644		
Seq. No.	1025	Seq. ID	OJ990503_12.9A01.C33
Gene No.	2176	Strand	-

Start	8528	End	12499
Name	OJ990503_12.9A01.C33.o1.tw	Method	TBLASTX:Wheat
Start	299	End	658
GI	none	Score	77
Exons	299..361, 303..389, 324..608, 371..658		
Seq. No.	1025	Seq. ID	OJ990503_12.9A01.C33
Gene No.	2176	Strand	-
Start	8528	End	12499
Name	OJ990503_12.9A01.C33.o1.ts	Method	TBLASTX:Soybean
Start	299	End	646
GI	none	Score	295
Exons	299..646, 300..629		
Seq. No.	1025	Seq. ID	OJ990503_12.9A01.C33
Gene No.	2176	Strand	-
Start	8528	End	12499
Name	OJ990503_12.9A01.C33.o4.gs	Method	GENSCAN
Start	8528	End	12499
GI	none	Score	.63
Exons	8528..8734, 9967..10120, 10436..10512, 11289..11427, 12462..12499		
Seq. No.	1026	Seq. ID	OJ990503_12.9A01.C34
Gene No.	2177	Strand	+
Start	95	End	1634
Name	OJ990503_12.9A01.C34.o1.gs	Method	GENSCAN
Start	95	End	1634
GI	none	Score	.83
Exons	95..211, 870..958, 1314..1339, 1516..1634		
Seq. No.	1026	Seq. ID	OJ990503_12.9A01.C34
Gene No.	2178	Strand	+
Start	1677	End	21781
Name	OJ990503_12.9A01.C34.o2.np	Method	AAT/NAP
Start	1677	End	21781
GI	2133613	Score	28
Exons	1677..1732, 19402..19540, 21697..21781		
GI Descrip.	Cl-tetrahydrofolate synthase - fall armyworm		
Seq. No.	1026	Seq. ID	OJ990503_12.9A01.C34
Gene No.	2178	Strand	+
Start	1677	End	21781
Name	OJ990503_12.9A01.C34.o2.gs	Method	GENSCAN
Start	3280	End	3665
GI	none	Score	.97
Exons	3280..3415, 3520..3665		
Seq. No.	1026	Seq. ID	OJ990503_12.9A01.C34
Gene No.	2178	Strand	+
Start	1677	End	21781
Name	OJ990503_12.9A01.C34.o1.gp	Method	AAT/GAP
Start	6929	End	7120
GI	LIB3477-003-P1-K1-E9	Score	125
Exons	6929..6963, 7051..7120		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza		

sativa]'

Seq. No.	1026	Seq. ID	OJ990503_12.9A01.C34
Gene No.	2178	Strand	+
Start	1677	End	21781
Name	OJ990503_12.9A01.C34.o3.gp	Method	AAT/GAP
Start	18627	End	18709
GI	uC-osf1M202097d10b1	Score	99
Exons	18627..18709		
GI Descrip.	'4062935/dbj AB003495.1 AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	1026	Seq. ID	OJ990503_12.9A01.C34
Gene No.	2178	Strand	+
Start	1677	End	21781
Name	OJ990503_12.9A01.C34.o4.gp	Method	AAT/GAP
Start	20922	End	21216
GI	739 1.R1084	Score	567
Exons	20922..21216		
GI Descrip.	'3821793/emb CAA72290.1 1.0e-180 (Y11526) casein kinase II alpha subunit [Zea mays]'		

Seq. No.	1026	Seq. ID	OJ990503_12.9A01.C34
Gene No.	2178	Strand	+
Start	1677	End	21781
Name	OJ990503_12.9A01.C34.o3.np	Method	AAT/NAP
Start	21131	End	21781
GI	3821793	Score	122
Exons	21131..21216, 21724..21781		
GI Descrip.	(Y11526) casein kinase II alpha subunit [Zea mays]		

Seq. No.	1026	Seq. ID	OJ990503_12.9A01.C34
Gene No.	2179	Strand	-
Start	7363	End	21781
Name	OJ990503_12.9A01.C34.o1.np	Method	AAT/NAP
Start	7363	End	21781
GI	81286	Score	115
Exons	7363..7564, 7631..7693, 16221..16428, 17406..17588, 21715..21781		
GI Descrip.	extensin - Volvox carteri (fragment) gi 21992 emb CAA46283 (X65165) extensin [Volvox carteri]		

Seq. No.	1026	Seq. ID	OJ990503_12.9A01.C34
Gene No.	2179	Strand	-
Start	7363	End	21781
Name	OJ990503_12.9A01.C34.o4.gs	Method	GENSCAN
Start	10523	End	11366
GI	none	Score	.98
Exons	10523..10661, 11078..11157, 11256..11366		

Seq. No.	1026	Seq. ID	OJ990503_12.9A01.C34
Gene No.	2179	Strand	-
Start	7363	End	21781
Name	OJ990503_12.9A01.C34.o5.gs	Method	GENSCAN
Start	12462	End	16335
GI	none	Score	.83
Exons	12462..12545, 12579..12714, 12749..12777, 14228..14479, 15000..15045, 15068..15258, 16207..16335		

Seq. No.	1026	Seq. ID	OJ990503_12.9A01.C34
Gene No.	2179	Strand	-
Start	7363	End	21781
Name	OJ990503_12.9A01.C34.o6.gs	Method	GENSCAN
Start	16957	End	21362
GI	none	Score	.73
Exons	16957..17525, 18023..18169, 20668..20842, 21246..21362		
Seq. No.	1027	Seq. ID	OJ990503_12.9A01.C36
Gene No.	2180	Strand	+
Start	123	End	401
Name	OJ990503_12.9A01.C36.o1.gs	Method	GENSCAN
Start	123	End	401
GI	none	Score	.54
Exons	123..401		
Seq. No.	1027	Seq. ID	OJ990503_12.9A01.C36
Gene No.	2181	Strand	-
Start	1	End	413
Name	OJ990503_12.9A01.C36.o1.np	Method	AAT/NAP
Start	1	End	359
GI	6539553	Score	492
Exons	1..359		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	1027	Seq. ID	OJ990503_12.9A01.C36
Gene No.	2181	Strand	-
Start	1	End	413
Name	OJ990503_12.9A01.C36.o1.tw	Method	TBLASTX:Wheat
Start	63	End	365
GI	none	Score	158
Exons	63..365, 64..354		
Seq. No.	1027	Seq. ID	OJ990503_12.9A01.C36
Gene No.	2181	Strand	-
Start	1	End	413
Name	OJ990503_12.9A01.C36.o1.tm	Method	TBLASTX:Maize
Start	75	End	413
GI	none	Score	40
Exons	75..182, 75..224, 204..365, 232..366, 347..412, 372..413		
Seq. No.	1028	Seq. ID	OJ990503_12.9A01.C37
Gene No.	2182	Strand	+
Start	305	End	520
Name	OJ990503_12.9A01.C37.o1.gs	Method	GENSCAN
Start	305	End	520
GI	none	Score	.44
Exons	305..520		
Seq. No.	1029	Seq. ID	OJ990503_12.9A01.C39
Gene No.	2183	Strand	-
Start	447	End	533
Name	OJ990503_12.9A01.C39.o1.gs	Method	GENSCAN

Start 447
GI none
Exons 447..533

End 533
Score .84

Seq. No. 1030
Gene No. 2184
Start 359
Name OJ990503_12.9A01.C40.o1.gs
Start 359
GI none
Exons 359..455

Seq. ID OJ990503_12.9A01.C40
Strand -
End 455
Method GENSCAN
End 455
Score .45

Seq. No. 1031
Gene No. 2185
Start 77
Name OJ990503_12.9A01.C41.o1.gs
Start 77
GI none
Exons 77..178

Seq. ID OJ990503_12.9A01.C41
Strand +
End 178
Method GENSCAN
End 178
Score .85

Seq. No. 1031
Gene No. 2186
Start 1291
Name OJ990503_12.9A01.C41.o1.np
Start 1291
GI 6539553
Exons 1291..5196

Seq. ID OJ990503_12.9A01.C41
Strand -
End 5202
Method AAT/NAP
End 5196
Score 6722

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No. 1031
Gene No. 2186
Start 1291
Name OJ990503_12.9A01.C41.o2.tw
Start 1427
GI none
Exons 1427..1813, 1428..1811, 1465..1812, 1828..1902, 1830..1901, 1832..1903

Seq. ID OJ990503_12.9A01.C41
Strand -
End 5202
Method TBLASTX:Wheat
End 1903
Score 338

Seq. No. 1031
Gene No. 2186
Start 1291
Name OJ990503_12.9A01.C41.o4.ts
Start 1555
GI none
Exons 1555..1764, 1634..1759, 1783..1896, 1796..1870

Seq. ID OJ990503_12.9A01.C41
Strand -
End 5202
Method TBLASTX:Soybean
End 1896
Score 83

Seq. No. 1031
Gene No. 2186
Start 1291
Name OJ990503_12.9A01.C41.o4.tm
Start 1759
GI none
Exons 1759..2097, 1760..2098

Seq. ID OJ990503_12.9A01.C41
Strand -
End 5202
Method TBLASTX:Maize
End 2098
Score 186

Seq. No. 1031
 Gene No. 2186
 Start 1291
 Name OJ990503_12.9A01.C41.o2.ts
 Start 1909
 GI none
 Exons 1909..2253, 2054..2254

Seq. ID OJ990503_12.9A01.C41
 Strand -
 End 5202
 Method TBLASTX:Soybean
 End 2254
 Score 125

Seq. No. 1031
 Gene No. 2186
 Start 1291
 Name OJ990503_12.9A01.C41.o3.tw
 Start 2107
 GI none
 Exons 2107..2313, 2117..2239, 2308..2652, 2332..2505

Seq. ID OJ990503_12.9A01.C41
 Strand -
 End 5202
 Method TBLASTX:Wheat
 End 2652
 Score 42

Seq. No. 1031
 Gene No. 2186
 Start 1291
 Name OJ990503_12.9A01.C41.o3.tm
 Start 2188
 GI none
 Exons 2188..2652, 2291..2401, 2335..2517, 2471..2653

Seq. ID OJ990503_12.9A01.C41
 Strand -
 End 5202
 Method TBLASTX:Maize
 End 2653
 Score 59

Seq. No. 1031
 Gene No. 2186
 Start 1291
 Name OJ990503_12.9A01.C41.o1.ts
 Start 2323
 GI 5509260
 Exons 2323..2787, 2342..2401, 2474..2569, 2618..2686
 GI Descrip. -

Seq. ID OJ990503_12.9A01.C41
 Strand -
 End 5202
 Method TBLASTX:Soybean
 End 2787
 Score 52

Seq. No. 1031
 Gene No. 2186
 Start 1291
 Name OJ990503_12.9A01.C41.o1.tc
 Start 2434
 GI none
 Exons 2434..2694

Seq. ID OJ990503_12.9A01.C41
 Strand -
 End 5202
 Method TBLASTX:Cress
 End 2694
 Score 278

Seq. No. 1031
 Gene No. 2186
 Start 1291
 Name OJ990503_12.9A01.C41.o1.tw
 Start 2707
 GI none
 Exons 2707..2946, 2708..2866, 2724..2954, 2727..2924, 2975..3454, 2998..3462

Seq. ID OJ990503_12.9A01.C41
 Strand -
 End 5202
 Method TBLASTX:Wheat
 End 3462
 Score 194

Seq. No. 1031
 Gene No. 2186
 Start 1291
 Name OJ990503_12.9A01.C41.o2.tc
 Start 3088
 GI none
 Exons 3088..3282, 3295..3477

Seq. ID OJ990503_12.9A01.C41
 Strand -
 End 5202
 Method TBLASTX:Cress
 End 3477
 Score 112

Seq. No.	1031	Seq. ID	OJ990503_12.9A01.C41
Gene No.	2186	Strand	-
Start	1291	End	5202
Name	OJ990503_12.9A01.C41.o3.ts	Method	TBLASTX:Soybean
Start	3112	End	3510
GI	none	Score	38
Exons	3112..3285, 3239..3277, 3286..3510, 3332..3502		

Seq. No.	1031	Seq. ID	OJ990503_12.9A01.C41
Gene No.	2186	Strand	-
Start	1291	End	5202
Name	OJ990503_12.9A01.C41.o5.tm	Method	TBLASTX:Maize
Start	3298	End	3732
GI	none	Score	84
Exons	3298..3732, 3323..3523		

Seq. No.	1031	Seq. ID	OJ990503_12.9A01.C41
Gene No.	2186	Strand	-
Start	1291	End	5202
Name	OJ990503_12.9A01.C41.o5.tw	Method	TBLASTX:Wheat
Start	3463	End	3654
GI	none	Score	184
Exons	3463..3654, 3463..3654		

Seq. No.	1031	Seq. ID	OJ990503_12.9A01.C41
Gene No.	2186	Strand	-
Start	1291	End	5202
Name	OJ990503_12.9A01.C41.o5.ts	Method	TBLASTX:Soybean
Start	3520	End	3906
GI	none	Score	88
Exons	3520..3768, 3751..3906		

Seq. No.	1031	Seq. ID	OJ990503_12.9A01.C41
Gene No.	2186	Strand	-
Start	1291	End	5202
Name	OJ990503_12.9A01.C41.o1.tm	Method	TBLASTX:Maize
Start	3933	End	4255
GI	none	Score	381
Exons	3933..4100, 3934..4248, 3935..4228, 4001..4255		

Seq. No.	1031	Seq. ID	OJ990503_12.9A01.C41
Gene No.	2186	Strand	-
Start	1291	End	5202
Name	OJ990503_12.9A01.C41.o2.tm	Method	TBLASTX:Maize
Start	4754	End	5067
GI	none	Score	297
Exons	4754..5059, 4756..5067		

Seq. No.	1031	Seq. ID	OJ990503_12.9A01.C41
Gene No.	2186	Strand	-
Start	1291	End	5202
Name	OJ990503_12.9A01.C41.o4.tw	Method	TBLASTX:Wheat
Start	4815	End	5202
GI	none	Score	250
Exons	4815..5078, 4816..5202, 4817..5191		

Seq. No.	1032	Seq. ID	OJ990503_12.9A01.C42
Gene No.	2187	Strand	+
Start	291	End	1328
Name	OJ990503_12.9A01.C42.ol.gs	Method	GENSCAN
Start	291	End	1328
GI	none	Score	.75
Exons	291..355, 1197..1328		

Seq. No.	1032	Seq. ID	OJ990503_12.9A01.C42
Gene No.	2187	Strand	+
Start	291	End	1328
Name	OJ990503_12.9A01.C42.ol.gp	Method	AAT/GAP
Start	323	End	442
GI	15591_1.R1084	Score	181
Exons	323..442		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 2.0e-14 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	1033	Seq. ID	OJ990503_12.9A01.C43
Gene No.	2188	Strand	+
Start	1	End	20206
Name	OJ990503_12.9A01.C43.ol.np	Method	AAT/NAP
Start	1	End	781
GI	5852084	Score	95
Exons	1..99, 683..781		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	1033	Seq. ID	OJ990503_12.9A01.C43
Gene No.	2188	Strand	+
Start	1	End	20206
Name	OJ990503_12.9A01.C43.o2.np	Method	AAT/NAP
Start	1	End	20206
GI	4539658	Score	218
Exons	1..93, 2326..2467, 2508..2677, 20180..20206		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	1033	Seq. ID	OJ990503_12.9A01.C43
Gene No.	2188	Strand	+
Start	1	End	20206
Name	OJ990503_12.9A01.C43.ol.gs	Method	GENSCAN
Start	1911	End	3250
GI	none	Score	.58
Exons	1911..1980, 2022..2066, 2723..2863, 2962..3054, 3138..3250		

Seq. No.	1033	Seq. ID	OJ990503_12.9A01.C43
Gene No.	2188	Strand	+
Start	1	End	20206
Name	OJ990503_12.9A01.C43.o2.tm	Method	TBLASTX:Maize
Start	2102	End	2958
GI	none	Score	99
Exons	2102..2212, 2103..2213, 2103..2213, 2116..2214, 2259..2288, 2265..2294, 2294..2320, 2346..2477, 2358..2477, 2371..2478, 2724..2846, 2724..2846, 2726..2848, 2738..2854, 2839..2958, 2842..2958		

Seq. No.	1033	Seq. ID	OJ990503_12.9A01.C43
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Gene No.	2188	Strand	+
Start	1	End	20206
Name	OJ990503_12.9A01.C43.o2.gs	Method	GENSCAN
Start	5985	End	8348
GI	none	Score	.52
Exons	5985..8348		

Seq. No.	1033	Seq. ID	OJ990503_12.9A01.C43
Gene No.	2188	Strand	+
Start	1	End	20206
Name	OJ990503_12.9A01.C43.o3.gs	Method	GENSCAN
Start	9769	End	10819
GI	none	Score	.54
Exons	9769..9902, 10016..10410, 10698..10819		

Seq. No.	1033	Seq. ID	OJ990503_12.9A01.C43
Gene No.	2188	Strand	+
Start	1	End	20206
Name	OJ990503_12.9A01.C43.o1.tm	Method	TBLASTX:Maize
Start	9981	End	10250
GI	none	Score	198
Exons	9981..10250, 10013..10192		

Seq. No.	1034	Seq. ID	OJ990503_12.9A01.C44
Gene No.	2189	Strand	-
Start	1	End	473
Name	OJ990503_12.9A01.C44.o1.np	Method	AAT/NAP
Start	1	End	437
GI	2129677	Score	287
Exons	1..171, 270..437		
GI Descrip.	probable1 N-acetyltransferase hookless 1 - Arabidopsis thaliana gi 1277090 (U50399) putative N-acetyltransferase hookless1 [Arabidopsis thaliana] gi 1277092 (U50400) putative N-acetyltransferase hookless1 [Arabidopsis thaliana] gi 4468983 emb CAB38297 (AL035605) probable N-acetyltransferase hookless 1 [Arabidopsis thaliana]		

Seq. No.	1034	Seq. ID	OJ990503_12.9A01.C44
Gene No.	2189	Strand	-
Start	1	End	473
Name	OJ990503_12.9A01.C44.o1.gs	Method	GENSCAN
Start	79	End	473
GI	none	Score	.77
Exons	79..180, 273..473		

Seq. No.	1034	Seq. ID	OJ990503_12.9A01.C44
Gene No.	2190	Strand	-
Start	2082	End	2729
Name	OJ990503_12.9A01.C44.o1.tc	Method	TBLASTX:Cress
Start	86	End	437
GI	none	Score	60
Exons	86..178, 97..147, 258..350, 259..351, 351..437		

Seq. No.	1034	Seq. ID	OJ990503_12.9A01.C44
Gene No.	2190	Strand	-
Start	2082	End	2729
Name	OJ990503_12.9A01.C44.o2.gs	Method	GENSCAN

Start 2082
 GI none
 Exons 2082..2168, 2586..2729

End 2729
 Score .86

Seq. No. 1035
 Gene No. 2191
 Start 1171
 Name OJ990503_12.9A01.C48.o1.gs
 Start 1171
 GI none
 Exons 1171..1361

Seq. ID OJ990503_12.9A01.C48
 Strand +
 End 1361
 Method GENSCAN
 End 1361
 Score .8

Seq. No. 1036
 Gene No. 2192
 Start 491
 Name OJ990503_12.9A01.C49.o1.gs
 Start 491
 GI none
 Exons 491..681

Seq. ID OJ990503_12.9A01.C49
 Strand +
 End 681
 Method GENSCAN
 End 681
 Score .7

Seq. No. 1037
 Gene No. 2193
 Start 1
 Name OJ990503_12.9A01.C54.o1.np
 Start 1
 GI 1076764
 Exons 1..572

Seq. ID OJ990503_12.9A01.C54
 Strand -
 End 572
 Method AAT/NAP
 End 572
 Score 376

GI Descrip. AWJL236 protein - wheat gi|551214|emb|CAA57135| (X81370) AWJL236
 [Triticum aestivum]

Seq. No. 1038
 Gene No. 2194
 Start 139
 Name OJ990503_12.9A01.C55.o1.gs
 Start 139
 GI none
 Exons 139..274

Seq. ID OJ990503_12.9A01.C55
 Strand -
 End 274
 Method GENSCAN
 End 274
 Score .5

Seq. No. 1039
 Gene No. 2195
 Start 9
 Name OJ990503_12.9A01.C58.o1.gs
 Start 9
 GI none
 Exons 9..130

Seq. ID OJ990503_12.9A01.C58
 Strand -
 End 130
 Method GENSCAN
 End 130
 Score .98

Seq. No. 1040
 Gene No. 2196
 Start 112
 Name OJ990503_12.9A01.C59.o1.gs
 Start 112
 GI none
 Exons 112..354

Seq. ID OJ990503_12.9A01.C59
 Strand +
 End 366
 Method GENSCAN
 End 354
 Score .87

Seq. No. 1040
 Gene No. 2196
 Start 112

Seq. ID OJ990503_12.9A01.C59
 Strand +
 End 366

Name	OJ990503_12.9A01.C59.o1.tm	Method	TBLASTX:Maize
Start	121	End	366
GI	none	Score	227
Exons	121..366, 147..260		
Seq. No.	1041	Seq. ID	OJ990803_11.9A14.C1
Gene No.	2197	Strand	+
Start	1	End	680
Name	OJ990803_11.9A14.C1.o1.np	Method	AAT/NAP
Start	1	End	680
GI	4378066	Score	442
Exons	1..680		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi 4680208 gb AAD27571.1 AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		
Seq. No.	1041	Seq. ID	OJ990803_11.9A14.C1
Gene No.	2197	Strand	+
Start	1	End	680
Name	OJ990803_11.9A14.C1.o1.tm	Method	TBLASTX:Maize
Start	121	End	363
GI	none	Score	201
Exons	121..363, 126..170, 255..362		
Seq. No.	1041	Seq. ID	OJ990803_11.9A14.C1
Gene No.	2197	Strand	+
Start	1	End	680
Name	OJ990803_11.9A14.C1.o1.gs	Method	GENSCAN
Start	136	End	483
GI	none	Score	.69
Exons	136..483		
Seq. No.	1042	Seq. ID	OJ990803_11.9A14.C2
Gene No.	2198	Strand	+
Start	391	End	1292
Name	OJ990803_11.9A14.C2.o1.gs	Method	GENSCAN
Start	391	End	1292
GI	none	Score	.48
Exons	391..478, 566..656, 658..812, 894..992, 1266..1292		
Seq. No.	1042	Seq. ID	OJ990803_11.9A14.C2
Gene No.	2199	Strand	+
Start	3524	End	4075
Name	OJ990803_11.9A14.C2.o2.gs	Method	GENSCAN
Start	3524	End	4075
GI	none	Score	.85
Exons	3524..4075		
Seq. No.	1042	Seq. ID	OJ990803_11.9A14.C2
Gene No.	2200	Strand	-
Start	3578	End	4446
Name	OJ990803_11.9A14.C2.o1.np	Method	AAT/NAP
Start	3578	End	4446
GI	5852180	Score	383
Exons	3578..4132, 4338..4446		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No. 1042
 Gene No. 2200
 Start 3578
 Name OJ990803_11.9A14.C2.o3.gs
 Start 4345
 GI none
 Exons 4345..4391

Seq. ID OJ990803_11.9A14.C2
 Strand -
 End 4446
 Method GENSCAN
 End 4391
 Score .64

Seq. No. 1043
 Gene No. 2201
 Start 1
 Name OJ990803_11.9A14.C3.o1.np
 Start 1
 GI 4680179
 Exons 1..2699

Seq. ID OJ990803_11.9A14.C3
 Strand +
 End 2702
 Method AAT/NAP
 End 2699
 Score 3771

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No. 1043
 Gene No. 2201
 Start 1
 Name OJ990803_11.9A14.C3.o1.gs
 Start 46
 GI none
 Exons 46..918, 940..1318, 1664..2163, 2442..2702

Seq. ID OJ990803_11.9A14.C3
 Strand +
 End 2702
 Method GENSCAN
 End 2702
 Score .54

Seq. No. 1043
 Gene No. 2202
 Start 4666
 Name OJ990803_11.9A14.C3.o1.gp
 Start 4666
 GI uC-osflcyp033a04b1
 Exons 4666..5047

Seq. ID OJ990803_11.9A14.C3
 Strand +
 End 5047
 Method AAT/GAP
 End 5047
 Score 635

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No. 1043
 Gene No. 2203
 Start 1
 Name OJ990803_11.9A14.C3.o2.np
 Start 1
 GI 5852180
 Exons 1..47, 570..632, 1903..1959, 3444..3916, 4898..4949
 GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. ID OJ990803_11.9A14.C3
 Strand -
 End 6966
 Method AAT/NAP
 End 4949
 Score 405

Seq. No. 1043
 Gene No. 2203
 Start 1
 Name OJ990803_11.9A14.C3.o5.tm
 Start 43
 GI none
 Exons 43..228

Seq. ID OJ990803_11.9A14.C3
 Strand -
 End 6966
 Method TBLASTX:Maize
 End 228
 Score 181

Seq. No. 1043
 Gene No. 2203
 Start 1
 Name OJ990803_11.9A14.C3.o4.tw
 Start 73

Seq. ID OJ990803_11.9A14.C3
 Strand -
 End 6966
 Method TBLASTX:Wheat
 End 445

GI	none	Score	65
Exons	73..156, 138..218, 139..222, 226..423, 234..428, 257..445, 328..444		

Seq. No.	1043	Seq. ID	OJ990803_11.9A14.C3
Gene No.	2203	Strand	-
Start	1	End	6966
Name	OJ990803_11.9A14.C3.o3.tm	Method	TBLASTX:Maize
Start	235	End	735
GI	none	Score	167
Exons	235..414, 243..389, 421..735, 561..614, 642..692		

Seq. No.	1043	Seq. ID	OJ990803_11.9A14.C3
Gene No.	2203	Strand	-
Start	1	End	6966
Name	OJ990803_11.9A14.C3.o1.ts	Method	TBLASTX:Soybean
Start	289	End	684
GI	none	Score	57
Exons	289..321, 325..684, 327..365, 393..683		

Seq. No.	1043	Seq. ID	OJ990803_11.9A14.C3
Gene No.	2203	Strand	-
Start	1	End	6966
Name	OJ990803_11.9A14.C3.o5.tw	Method	TBLASTX:Wheat
Start	447	End	699
GI	none	Score	321
Exons	447..683, 451..699		

Seq. No.	1043	Seq. ID	OJ990803_11.9A14.C3
Gene No.	2203	Strand	-
Start	1	End	6966
Name	OJ990803_11.9A14.C3.o2.tw	Method	TBLASTX:Wheat
Start	700	End	1203
GI	none	Score	601
Exons	700..1203, 732..1196		

Seq. No.	1043	Seq. ID	OJ990803_11.9A14.C3
Gene No.	2203	Strand	-
Start	1	End	6966
Name	OJ990803_11.9A14.C3.o3.ts	Method	TBLASTX:Soybean
Start	706	End	951
GI	none	Score	180
Exons	706..951		

Seq. No.	1043	Seq. ID	OJ990803_11.9A14.C3
Gene No.	2203	Strand	-
Start	1	End	6966
Name	OJ990803_11.9A14.C3.o2.tm	Method	TBLASTX:Maize
Start	772	End	1125
GI	none	Score	447
Exons	772..1125, 773..910, 846..1121		

Seq. No.	1043	Seq. ID	OJ990803_11.9A14.C3
Gene No.	2203	Strand	-
Start	1	End	6966
Name	OJ990803_11.9A14.C3.o3.tw	Method	TBLASTX:Wheat
Start	1203	End	1689

GI	none	Score	399
Exons	1203..1547, 1204..1557, 1228..1569, 1538..1684, 1557..1685, 1557..1688, 1558..1689		

Seq. No.	1043	Seq. ID	OJ990803_11.9A14.C3
Gene No.	2203	Strand	-
Start	1	End	6966
Name	OJ990803_11.9A14.C3.o1.tc	Method	TBLASTX:Cress
Start	1399	End	1713
GI	none	Score	199
Exons	1399..1713, 1572..1712		

Seq. No.	1043	Seq. ID	OJ990803_11.9A14.C3
Gene No.	2203	Strand	-
Start	1	End	6966
Name	OJ990803_11.9A14.C3.o2.ts	Method	TBLASTX:Soybean
Start	1486	End	1738
GI	none	Score	58
Exons	1486..1557, 1557..1736, 1558..1737, 1559..1738		

Seq. No.	1043	Seq. ID	OJ990803_11.9A14.C3
Gene No.	2203	Strand	-
Start	1	End	6966
Name	OJ990803_11.9A14.C3.o4.tm	Method	TBLASTX:Maize
Start	1560	End	1827
GI	none	Score	334
Exons	1560..1823, 1561..1827		

Seq. No.	1043	Seq. ID	OJ990803_11.9A14.C3
Gene No.	2203	Strand	-
Start	1	End	6966
Name	OJ990803_11.9A14.C3.o1.tw	Method	TBLASTX:Wheat
Start	1696	End	2322
GI	none	Score	675
Exons	1696..2322, 1752..2225, 2215..2319		

Seq. No.	1043	Seq. ID	OJ990803_11.9A14.C3
Gene No.	2203	Strand	-
Start	1	End	6966
Name	OJ990803_11.9A14.C3.o1.tm	Method	TBLASTX:Maize
Start	1876	End	2474
GI	none	Score	231
Exons	1876..2037, 1879..2031, 2035..2367, 2037..2225, 2280..2393, 2340..2474		

Seq. No.	1043	Seq. ID	OJ990803_11.9A14.C3
Gene No.	2203	Strand	-
Start	1	End	6966
Name	OJ990803_11.9A14.C3.o6.tw	Method	TBLASTX:Wheat
Start	2322	End	2654
GI	none	Score	68
Exons	2322..2366, 2323..2397, 2367..2654, 2369..2587		

Seq. No.	1043	Seq. ID	OJ990803_11.9A14.C3
Gene No.	2203	Strand	-
Start	1	End	6966
Name	OJ990803_11.9A14.C3.o2.gs	Method	GENSCAN

Start	3427	End	6966
GI	none	Score	.6
Exons	3427..3678, 4344..4391, 5716..6318, 6403..6625, 6935..6966		

Seq. No.	1044	Seq. ID	OJ990803_11.9A14.C4
Gene No.	2204	Strand	+
Start	1	End	327
Name	OJ990803_11.9A14.C4.o1.np	Method	AAT/NAP
Start	1	End	327
GI	6498436	Score	69
Exons	1..71, 119..327		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	1044	Seq. ID	OJ990803_11.9A14.C4
Gene No.	2205	Strand	+
Start	4418	End	10960
Name	OJ990803_11.9A14.C4.o3.np	Method	AAT/NAP
Start	4418	End	10960
GI	6705984	Score	227
Exons	4418..4845, 5177..5692, 10841..10960		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	1044	Seq. ID	OJ990803_11.9A14.C4
Gene No.	2205	Strand	+
Start	4418	End	10960
Name	OJ990803_11.9A14.C4.o2.gs	Method	GENSCAN
Start	5698	End	7164
GI	none	Score	.58
Exons	5698..5851, 6569..6686, 6691..6838, 6847..7164		

Seq. No.	1044	Seq. ID	OJ990803_11.9A14.C4
Gene No.	2205	Strand	+
Start	4418	End	10960
Name	OJ990803_11.9A14.C4.o4.np	Method	AAT/NAP
Start	6714	End	8232
GI	6063554	Score	142
Exons	6714..6898, 6952..7014, 8060..8232		
GI Descrip.	(AP000615) ESTs AU075609(C63344), C71850(E0464), C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1044	Seq. ID	OJ990803_11.9A14.C4
Gene No.	2205	Strand	+
Start	4418	End	10960
Name	OJ990803_11.9A14.C4.o3.gs	Method	GENSCAN
Start	8634	End	10638
GI	none	Score	.51
Exons	8634..8642, 9414..10085, 10492..10638		

Seq. No.	1044	Seq. ID	OJ990803_11.9A14.C4
Gene No.	2205	Strand	+
Start	4418	End	10960
Name	OJ990803_11.9A14.C4.o5.np	Method	AAT/NAP
Start	9414	End	10210
GI	4512231	Score	1245
Exons	9414..10210		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	1044	Seq. ID	OJ990803_11.9A14.C4
Gene No.	2205	Strand	+
Start	4418	End	10960
Name	OJ990803_11.9A14.C4.o6.np	Method	AAT/NAP
Start	10090	End	10960
GI	4680179	Score	359
Exons	10090..10237, 10541..10960		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1044	Seq. ID	OJ990803_11.9A14.C4
Gene No.	2206	Strand	-
Start	2814	End	4695
Name	OJ990803_11.9A14.C4.o2.np	Method	AAT/NAP
Start	2814	End	4695
GI	6063554	Score	178
Exons	2814..2989, 4148..4319, 4495..4695		
GI Descrip.	(AP000615) ESTs AU075609(C63344), C71850(E0464), C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1044	Seq. ID	OJ990803_11.9A14.C4
Gene No.	2207	Strand	-
Start	8615	End	8788
Name	OJ990803_11.9A14.C4.o2.tw	Method	TBLASTX:Wheat
Start	5332	End	5685
GI	none	Score	195
Exons	5332..5685		

Seq. No.	1044	Seq. ID	OJ990803_11.9A14.C4
Gene No.	2207	Strand	-
Start	8615	End	8788
Name	OJ990803_11.9A14.C4.o1.gp	Method	AAT/GAP
Start	8615	End	8788
GI	LIB3433-026-P1-K1-C1	Score	257
Exons	8615..8788		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	1044	Seq. ID	OJ990803_11.9A14.C4
Gene No.	2208	Strand	-
Start	10663	End	10959
Name	OJ990803_11.9A14.C4.o1.tw	Method	TBLASTX:Wheat
Start	10663	End	10959
GI	none	Score	223
Exons	10663..10959, 10689..10766, 10788..10958		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2209	Strand	+
Start	1	End	3734
Name	OJ990803_11.9A14.C5.o1.np	Method	AAT/NAP
Start	1	End	3731
GI	4680179	Score	4955
Exons	1..323, 351..3731		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
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Gene No.	2209	Strand	+
Start	1	End	3734
Name	OJ990803_11.9A14.C5.o1.gs	Method	GENSCAN
Start	90	End	3734
GI	none	Score	.82
Exons	90..3734		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2210	Strand	+
Start	6495	End	6965
Name	OJ990803_11.9A14.C5.o3.gs	Method	GENSCAN
Start	6495	End	6965
GI	none	Score	.86
Exons	6495..6965		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2211	Strand	+
Start	13647	End	13850
Name	OJ990803_11.9A14.C5.o3.np	Method	AAT/NAP
Start	13647	End	13850
GI	4680186	Score	202
Exons	13647..13850		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2212	Strand	+
Start	14730	End	15165
Name	OJ990803_11.9A14.C5.o4.np	Method	AAT/NAP
Start	14730	End	15165
GI	4680185	Score	342
Exons	14730..15165		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2213	Strand	-
Start	5230	End	5612
Name	OJ990803_11.9A14.C5.o1.gp	Method	AAT/GAP
Start	5230	End	5612
GI	uC-osflcyp033a04b1	Score	696
Exons	5230..5612		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2214	Strand	-
Start	7654	End	12164
Name	OJ990803_11.9A14.C5.o4.gs	Method	GENSCAN
Start	7654	End	8727
GI	none	Score	1
Exons	7654..8727		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2214	Strand	-
Start	7654	End	12164
Name	OJ990803_11.9A14.C5.o2.np	Method	AAT/NAP
Start	7657	End	12164
GI	4680179	Score	5295

Exons 7657..11057, 11091..12164
 GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2214	Strand	-
Start	7654	End	12164
Name	OJ990803_11.9A14.C5.o5.gs	Method	GENSCAN
Start	9043	End	12158
GI	none	Score	.72
Exons	9043..9549, 9576..11738, 11799..12158		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2215	Strand	-
Start	12413	End	15398
Name	OJ990803_11.9A14.C5.o7.tm	Method	TBLASTX:Maize
Start	354	End	11037
GI	none	Score	175
Exons	354..674, 398..472, 10713..11036, 10897..11037		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2215	Strand	-
Start	12413	End	15398
Name	OJ990803_11.9A14.C5.o8.tw	Method	TBLASTX:Wheat
Start	357	End	11031
GI	none	Score	137
Exons	357..548, 392..523, 612..728, 617..730, 637..729, 10608..10775, 10663..10776, 10821..11030, 10822..11031		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2215	Strand	-
Start	12413	End	15398
Name	OJ990803_11.9A14.C5.o4.tw	Method	TBLASTX:Wheat
Start	893	End	10493
GI	none	Score	535
Exons	893..1333, 894..1376, 1005..1373, 10011..10388, 10054..10389, 10443..10493		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2215	Strand	-
Start	12413	End	15398
Name	OJ990803_11.9A14.C5.o5.tm	Method	TBLASTX:Maize
Start	903	End	10481
GI	none	Score	332
Exons	903..1193, 905..1195, 10192..10383, 10194..10481		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2215	Strand	-
Start	12413	End	15398
Name	OJ990803_11.9A14.C5.o3.ts	Method	TBLASTX:Soybean
Start	930	End	10388
GI	none	Score	198
Exons	930..1244, 10143..10388		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2215	Strand	-
Start	12413	End	15398
Name	OJ990803_11.9A14.C5.o2.tc	Method	TBLASTX:Cress

Start 1023
 GI none
 Exons 1023..1340, 10047..10364

End 10364
 Score 167

Seq. No. 1045
 Gene No. 2215
 Start 12413
 Name OJ990803_11.9A14.C5.o4.tm
 Start 1263
 GI none
 Exons 1263..1400, 1271..1396, 1461..1763, 1514..1642, 9624..9938, 9667..9717, 9745..9798, 9945..10124, 9997..10116

Seq. ID OJ990803_11.9A14.C5
 Strand -
 End 15398
 Method TBLASTX:Maize
 End 10124
 Score 116

Seq. No. 1045
 Gene No. 2215
 Start 12413
 Name OJ990803_11.9A14.C5.o1.ts
 Start 1317
 GI none
 Exons 1317..1349, 1317..1349, 1353..1406, 1355..1396, 1356..1496, 1461..1712, 1469..1702, 9675..10034, 9676..9951, 9997..10032, 10038..10070, 10039..10068

Seq. ID OJ990803_11.9A14.C5
 Strand -
 End 15398
 Method TBLASTX:Soybean
 End 10070
 Score 57

Seq. No. 1045
 Gene No. 2215
 Start 12413
 Name OJ990803_11.9A14.C5.o5.tw
 Start 1425
 GI none
 Exons 1425..1694, 1464..1727, 1466..1726, 9660..9962, 9676..9951

Seq. ID OJ990803_11.9A14.C5
 Strand -
 End 15398
 Method TBLASTX:Wheat
 End 9962
 Score 373

Seq. No. 1045
 Gene No. 2215
 Start 12413
 Name OJ990803_11.9A14.C5.o3.tw
 Start 1728
 GI none
 Exons 1728..2153, 1730..2146, 1803..2153, 9238..9519, 9239..9520, 9520..9627, 9522..9659

Seq. ID OJ990803_11.9A14.C5
 Strand -
 End 15398
 Method TBLASTX:Wheat
 End 9659
 Score 584

Seq. No. 1045
 Gene No. 2215
 Start 12413
 Name OJ990803_11.9A14.C5.o4.ts
 Start 1734
 GI none
 Exons 1734..1982, 9409..9516, 9522..9653

Seq. ID OJ990803_11.9A14.C5
 Strand -
 End 15398
 Method TBLASTX:Soybean
 End 9653
 Score 198

Seq. No. 1045
 Gene No. 2215
 Start 12413
 Name OJ990803_11.9A14.C5.o2.tm
 Start 1800
 GI none
 Exons 1800..2153, 1805..2146, 9226..9519, 9235..9519, 9239..9520, 9522..9587

Seq. ID OJ990803_11.9A14.C5
 Strand -
 End 15398
 Method TBLASTX:Maize
 End 9587
 Score 451

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2215	Strand	-
Start	12413	End	15398
Name	OJ990803_11.9A14.C5.o2.tw	Method	TBLASTX:Wheat
Start	2181	End	9235
GI	none	Score	618
Exons	2181..2720, 2363..2413, 2465..2716, 8668..9204, 8669..9235		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2215	Strand	-
Start	12413	End	15398
Name	OJ990803_11.9A14.C5.o1.tc	Method	TBLASTX:Cress
Start	2418	End	8961
GI	none	Score	88
Exons	2418..2600, 2601..2744, 2603..2743, 8644..8787, 8645..8785, 8788..8961		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2215	Strand	-
Start	12413	End	15398
Name	OJ990803_11.9A14.C5.o2.ts	Method	TBLASTX:Soybean
Start	2508	End	8880
GI	none	Score	296
Exons	2508..2768, 2519..2767, 8619..8801, 8620..8880, 8621..8875		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2215	Strand	-
Start	12413	End	15398
Name	OJ990803_11.9A14.C5.o3.tm	Method	TBLASTX:Maize
Start	2567	End	8822
GI	none	Score	411
Exons	2567..2854, 2568..2858, 2700..2855, 8530..8820, 8534..8821, 8634..8822		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2215	Strand	-
Start	12413	End	15398
Name	OJ990803_11.9A14.C5.o1.tw	Method	TBLASTX:Wheat
Start	2727	End	8661
GI	none	Score	706
Exons	2727..3353, 2783..3235, 2784..3311, 3293..3352, 8035..8661, 8038..8289, 8147..8605		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2215	Strand	-
Start	12413	End	15398
Name	OJ990803_11.9A14.C5.o1.tm	Method	TBLASTX:Maize
Start	2906	End	8481
GI	none	Score	226
Exons	2906..3061, 2907..3068, 3065..3238, 3066..3491, 3186..3470, 3293..3490, 7882..8322, 7898..8323, 8255..8323, 8318..8476, 8320..8481, 8327..8473		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2215	Strand	-
Start	12413	End	15398
Name	OJ990803_11.9A14.C5.o6.tw	Method	TBLASTX:Wheat

Start	3353	End	8035
GI	none	Score	313
Exons	3353..3634, 3354..3686, 3504..3635, 7702..8034, 7723..8031, 7766..8035		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2215	Strand	-
Start	12413	End	15398
Name	OJ990803_11.9A14.C5.o6.tm	Method	TBLASTX:Maize
Start	11385	End	11690
GI	none	Score	86
Exons	11385..11690, 11512..11676		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2215	Strand	-
Start	12413	End	15398
Name	OJ990803_11.9A14.C5.o7.tw	Method	TBLASTX:Wheat
Start	11571	End	11933
GI	none	Score	144
Exons	11571..11933, 11572..11931		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2215	Strand	-
Start	12413	End	15398
Name	OJ990803_11.9A14.C5.o6.gs	Method	GENSCAN
Start	12413	End	15398
GI	none	Score	.49
Exons	12413..12708, 14559..14728, 14861..15398		

Seq. No.	1045	Seq. ID	OJ990803_11.9A14.C5
Gene No.	2215	Strand	-
Start	12413	End	15398
Name	OJ990803_11.9A14.C5.o3.gp	Method	AAT/GAP
Start	13397	End	13780
GI	uC-osflcyp033a04b1	Score	657
Exons	13397..13780		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	1046	Seq. ID	OJ990803_11.9A14.C6
Gene No.	2216	Strand	+
Start	1	End	3138
Name	OJ990803_11.9A14.C6.o2.np	Method	AAT/NAP
Start	1	End	3138
GI	6498436	Score	253
Exons	1..25, 977..1422, 1524..1623, 1672..1876, 3009..3138		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	1046	Seq. ID	OJ990803_11.9A14.C6
Gene No.	2217	Strand	-
Start	17	End	6047
Name	OJ990803_11.9A14.C6.o1.gs	Method	GENSCAN
Start	17	End	6047
GI	none	Score	.52
Exons	17..436, 3248..3526, 3561..3751, 4082..4390, 4501..4686, 5203..5255, 5997..6047		

Seq. No. 1047
 Gene No. 2218
 Start 60
 Name OJ990803_11.9A14.C7.o1.gs
 Start 60
 GI none
 Exons 60..121, 289..304, 768..836

Seq. ID OJ990803_11.9A14.C7
 Strand +
 End 836
 Method GENSCAN
 End 836
 Score .9

Seq. No. 1047
 Gene No. 2219
 Start 3327
 Name OJ990803_11.9A14.C7.o2.gs
 Start 3327
 GI none
 Exons 3327..3397, 4463..4499, 6443..6660, 6906..7022, 8337..8469, 8858..8975, 9263..9414, 9425..9702, 9775..9989, 10045..10211, 10363..10485, 10567..10673, 10989..11304

Seq. ID OJ990803_11.9A14.C7
 Strand +
 End 11304
 Method GENSCAN
 End 11304
 Score .52

Seq. No. 1047
 Gene No. 2219
 Start 3327
 Name OJ990803_11.9A14.C7.o1.np
 Start 6248
 GI 5777617
 Exons 6248..6275, 7430..7556
 GI Descrip. (AJ245900) CAA30375.1 protein [Oryza sativa]

Seq. ID OJ990803_11.9A14.C7
 Strand +
 End 11304
 Method AAT/NAP
 End 7556
 Score 101

Seq. No. 1047
 Gene No. 2220
 Start 12940
 Name OJ990803_11.9A14.C7.o3.gs
 Start 12940
 GI none
 Exons 12940..13006, 14339..14418, 14658..14811, 14971..15054, 15834..16105, 16128..16337, 16353..16481

Seq. ID OJ990803_11.9A14.C7
 Strand +
 End 16481
 Method GENSCAN
 End 16481
 Score .77

Seq. No. 1047
 Gene No. 2221
 Start 14228
 Name OJ990803_11.9A14.C7.o1.gp
 Start 14228
 GI LIB3433-026-P1-K1-C1
 Exons 14228..14400
 GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. ID OJ990803_11.9A14.C7
 Strand -
 End 14400
 Method AAT/GAP
 End 14400
 Score 258

Seq. No. 1047
 Gene No. 2222
 Start 18711
 Name OJ990803_11.9A14.C7.o4.np
 Start 18711
 GI 1076558
 Exons 18711..18941, 20494..20598
 GI Descrip. hypothetical protein x (nad5 exon c 5' region) - evening primrose mitochondrion

Seq. ID OJ990803_11.9A14.C7
 Strand -
 End 20598
 Method AAT/NAP
 End 20598
 Score 197

Seq. No. 1048

Seq. ID OJ990803_11.9A14.C8

Gene No.	2223	Strand	+
Start	1	End	4631
Name	OJ990803_11.9A14.C8.o2.np	Method	AAT/NAP
Start	1	End	4631
GI	6063554	Score	195
Exons	1..63, 391..455, 3082..3284, 4426..4631		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1048	Seq. ID	OJ990803_11.9A14.C8
Gene No.	2224	Strand	+
Start	6480	End	6802
Name	OJ990803_11.9A14.C8.o2.gp	Method	AAT/GAP
Start	6480	End	6802
GI	426860	Score	576
Exons	6480..6802		

Seq. No.	1048	Seq. ID	OJ990803_11.9A14.C8
Gene No.	2225	Strand	+
Start	7875	End	8308
Name	OJ990803_11.9A14.C8.o3.gp	Method	AAT/GAP
Start	7875	End	8308
GI	94945_1.R1084	Score	653
Exons	7875..8308		
GI Descrip.	'4521194/dbj AB013613.1 AB013613 1.0e-132 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	1048	Seq. ID	OJ990803_11.9A14.C8
Gene No.	2226	Strand	-
Start	1	End	1240
Name	OJ990803_11.9A14.C8.o1.np	Method	AAT/NAP
Start	1	End	1240
GI	6721516	Score	238
Exons	1..40, 257..587, 996..1240		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	1048	Seq. ID	OJ990803_11.9A14.C8
Gene No.	2227	Strand	-
Start	1537	End	10138
Name	OJ990803_11.9A14.C8.o1.gs	Method	GENSCAN
Start	1537	End	9881
GI	none	Score	.59
Exons	1537..1932, 3076..3288, 3299..3438, 4363..4397, 6214..6362, 6410..6501, 6651..6815, 9536..9659, 9789..9881		

Seq. No.	1048	Seq. ID	OJ990803_11.9A14.C8
Gene No.	2227	Strand	-
Start	1537	End	10138
Name	OJ990803_11.9A14.C8.o3.np	Method	AAT/NAP
Start	9432	End	10138
GI	4539660	Score	412
Exons	9432..10001, 10086..10138		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	1048	Seq. ID	OJ990803_11.9A14.C8
Gene No.	2227	Strand	-

Start	1537	End	10138
Name	OJ990803_11.9A14.C8.ol.tw	Method	TBLASTX:Wheat
Start	9444	End	9863
GI	none	Score	76
Exons	9444..9503, 9507..9863, 9550..9828, 9669..9836		

Seq. No.	1048	Seq. ID	OJ990803_11.9A14.C8
Gene No.	2227	Strand	-
Start	1537	End	10138
Name	OJ990803_11.9A14.C8.ol.tm	Method	TBLASTX:Maize
Start	9537	End	9798
GI	none	Score	127
Exons	9537..9797, 9556..9798		

Seq. No.	1049	Seq. ID	OJ990803_11.9A14.C9
Gene No.	2228	Strand	+
Start	1	End	611
Name	OJ990803_11.9A14.C9.ol.gs	Method	GENSCAN
Start	1	End	609
GI	none	Score	1
Exons	1..609		

Seq. No.	1049	Seq. ID	OJ990803_11.9A14.C9
Gene No.	2228	Strand	+
Start	1	End	611
Name	OJ990803_11.9A14.C9.ol.np	Method	AAT/NAP
Start	1	End	611
GI	4512231	Score	926
Exons	1..611		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	1050	Seq. ID	OJ990803_11.9A14.C11
Gene No.	2229	Strand	-
Start	1	End	938
Name	OJ990803_11.9A14.C11.ol.np	Method	AAT/NAP
Start	1	End	938
GI	4680179	Score	651
Exons	1..374, 408..938		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1050	Seq. ID	OJ990803_11.9A14.C11
Gene No.	2229	Strand	-
Start	1	End	938
Name	OJ990803_11.9A14.C11.ol.tw	Method	TBLASTX:Wheat
Start	3	End	348
GI	none	Score	71
Exons	3..92, 138..347, 199..348		

Seq. No.	1050	Seq. ID	OJ990803_11.9A14.C11
Gene No.	2229	Strand	-
Start	1	End	938
Name	OJ990803_11.9A14.C11.ol.tm	Method	TBLASTX:Maize
Start	28	End	306
GI	none	Score	43
Exons	28..120, 30..305, 214..306		

Seq. No.	1050	Seq. ID	OJ990803_11.9A14.C11
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Gene No.	2229	Strand	-
Start	1	End	938
Name	OJ990803_11.9A14.C11.o1.gs	Method	GENSCAN
Start	296	End	928
GI	none	Score	.71
Exons	296..365, 371..569, 585..928		

Seq. No.	1051	Seq. ID	OJ990803_11.9A14.C12
Gene No.	2230	Strand	+
Start	1	End	1705
Name	OJ990803_11.9A14.C12.o1.np	Method	AAT/NAP
Start	1	End	1705
GI	4680179	Score	2374
Exons	1..1705		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1051	Seq. ID	OJ990803_11.9A14.C12
Gene No.	2230	Strand	+
Start	1	End	1705
Name	OJ990803_11.9A14.C12.o4.tw	Method	TBLASTX:Wheat
Start	11	End	289
GI	none	Score	35
Exons	11..67, 12..68, 68..112, 74..115, 119..289, 125..283, 127..288		

Seq. No.	1051	Seq. ID	OJ990803_11.9A14.C12
Gene No.	2230	Strand	+
Start	1	End	1705
Name	OJ990803_11.9A14.C12.o1.gs	Method	GENSCAN
Start	55	End	1622
GI	none	Score	.48
Exons	55..733, 810..1622		

Seq. No.	1051	Seq. ID	OJ990803_11.9A14.C12
Gene No.	2230	Strand	+
Start	1	End	1705
Name	OJ990803_11.9A14.C12.o2.tm	Method	TBLASTX:Maize
Start	128	End	628
GI	none	Score	112
Exons	128..265, 326..628, 379..426, 454..510		

Seq. No.	1051	Seq. ID	OJ990803_11.9A14.C12
Gene No.	2230	Strand	+
Start	1	End	1705
Name	OJ990803_11.9A14.C12.o1.ts	Method	TBLASTX:Soybean
Start	182	End	577
GI	none	Score	57
Exons	182..214, 182..241, 218..271, 220..258, 326..577, 334..567		

Seq. No.	1051	Seq. ID	OJ990803_11.9A14.C12
Gene No.	2230	Strand	+
Start	1	End	1705
Name	OJ990803_11.9A14.C12.o3.tw	Method	TBLASTX:Wheat
Start	290	End	592
GI	none	Score	66
Exons	290..559, 291..407, 329..592, 331..591		

Seq. No.	1051	Seq. ID	OJ990803_11.9A14.C12
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Gene No.	2230	Strand	+
Start	1	End	1705
Name	OJ990803_11.9A14.C12.o2.tw	Method	TBLASTX:Wheat
Start	593	End	1016
GI	none	Score	284
Exons	593..817, 595..801, 668..817, 828..1016, 835..990, 866..1009		

Seq. No.	1051	Seq. ID	OJ990803_11.9A14.C12
Gene No.	2230	Strand	+
Start	1	End	1705
Name	OJ990803_11.9A14.C12.o1.tm	Method	TBLASTX:Maize
Start	665	End	1016
GI	none	Score	191
Exons	665..814, 670..825, 813..1016, 866..1009		

Seq. No.	1051	Seq. ID	OJ990803_11.9A14.C12
Gene No.	2230	Strand	+
Start	1	End	1705
Name	OJ990803_11.9A14.C12.o1.tw	Method	TBLASTX:Wheat
Start	1044	End	1583
GI	none	Score	624
Exons	1044..1583, 1226..1579		

Seq. No.	1051	Seq. ID	OJ990803_11.9A14.C12
Gene No.	2230	Strand	+
Start	1	End	1705
Name	OJ990803_11.9A14.C12.o1.tc	Method	TBLASTX:Cress
Start	1281	End	1601
GI	none	Score	92
Exons	1281..1463, 1464..1601, 1466..1594		

Seq. No.	1051	Seq. ID	OJ990803_11.9A14.C12
Gene No.	2230	Strand	+
Start	1	End	1705
Name	OJ990803_11.9A14.C12.o2.ts	Method	TBLASTX:Soybean
Start	1371	End	1630
GI	none	Score	236
Exons	1371..1601, 1382..1585, 1589..1630		

Seq. No.	1051	Seq. ID	OJ990803_11.9A14.C12
Gene No.	2230	Strand	+
Start	1	End	1705
Name	OJ990803_11.9A14.C12.o3.tm	Method	TBLASTX:Maize
Start	1430	End	1705
GI	none	Score	217
Exons	1430..1585, 1431..1601, 1586..1705, 1588..1704		

Seq. No.	1052	Seq. ID	OJ990803_11.9A14.C14
Gene No.	2231	Strand	+
Start	111	End	493
Name	OJ990803_11.9A14.C14.o1.gp	Method	AAT/GAP
Start	111	End	493
GI	uC-osflcyp033a04b1	Score	676
Exons	111..493		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	1052	Seq. ID	OJ990803_11.9A14.C14
Gene No.	2232	Strand	-
Start	1	End	714
Name	OJ990803_11.9A14.C14.o2.np	Method	AAT/NAP
Start	1	End	714
GI	5852180	Score	63
Exons	1..27, 341..400, 630..714		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	1052	Seq. ID	OJ990803_11.9A14.C14
Gene No.	2232	Strand	-
Start	1	End	714
Name	OJ990803_11.9A14.C14.o1.gs	Method	GENSCAN
Start	41	End	245
GI	none	Score	.56
Exons	41..245		

Seq. No.	1052	Seq. ID	OJ990803_11.9A14.C14
Gene No.	2232	Strand	-
Start	1	End	714
Name	OJ990803_11.9A14.C14.o1.np	Method	AAT/NAP
Start	44	End	714
GI	4680186	Score	332
Exons	44..243, 690..714		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	1053	Seq. ID	OJ990803_11.9A14.C15
Gene No.	2233	Strand	+
Start	887	End	1312
Name	OJ990803_11.9A14.C15.o1.np	Method	AAT/NAP
Start	887	End	1312
GI	4544372	Score	276
Exons	887..1312		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	1053	Seq. ID	OJ990803_11.9A14.C15
Gene No.	2233	Strand	+
Start	887	End	1312
Name	OJ990803_11.9A14.C15.o1.tw	Method	TBLASTX:Wheat
Start	975	End	1312
GI	none	Score	60
Exons	975..1031, 1026..1232, 1034..1231, 1238..1312, 1243..1311, 1247..1312		

Seq. No.	1053	Seq. ID	OJ990803_11.9A14.C15
Gene No.	2233	Strand	+
Start	887	End	1312
Name	OJ990803_11.9A14.C15.o1.tm	Method	TBLASTX:Maize
Start	1029	End	1293
GI	none	Score	257
Exons	1029..1235, 1034..1234, 1237..1293, 1238..1291		

Seq. No.	1054	Seq. ID	OJ990803_11.9A14.C16
Gene No.	2234	Strand	-
Start	193	End	365
Name	OJ990803_11.9A14.C16.o1.np	Method	AAT/NAP

Start	193	End	365
GI	6063554	Score	132
Exons	193..365		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1055	Seq. ID	OJ990803_11.9A14.C17
Gene No.	2235	Strand	-
Start	676	End	849
Name	OJ990803_11.9A14.C17.ol.np	Method	AAT/NAP
Start	676	End	849
GI	6063554	Score	139
Exons	676..849		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1056	Seq. ID	OJ990803_11.9A14.C18
Gene No.	2236	Strand	+
Start	5264	End	6866
Name	OJ990803_11.9A14.C18.ol.np	Method	AAT/NAP
Start	5264	End	6866
GI	4378066	Score	334
Exons	5264..5713, 6820..6866		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi 4680208 gb AAD27571.1 AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	1056	Seq. ID	OJ990803_11.9A14.C18
Gene No.	2237	Strand	-
Start	762	End	1531
Name	OJ990803_11.9A14.C18.ol.gs	Method	GENSCAN
Start	762	End	1531
GI	none	Score	.52
Exons	762..1193, 1481..1531		

Seq. No.	1056	Seq. ID	OJ990803_11.9A14.C18
Gene No.	2238	Strand	-
Start	5968	End	6633
Name	OJ990803_11.9A14.C18.ol.ts	Method	TBLASTX:Soybean
Start	145	End	5681
GI	none	Score	154
Exons	145..282, 147..287, 297..386, 303..470, 304..492, 5322..5681		

Seq. No.	1056	Seq. ID	OJ990803_11.9A14.C18
Gene No.	2238	Strand	-
Start	5968	End	6633
Name	OJ990803_11.9A14.C18.ol.tw	Method	TBLASTX:Wheat
Start	190	End	5720
GI	none	Score	77
Exons	190..279, 325..480, 468..578, 5325..5720, 5471..5683		

Seq. No.	1056	Seq. ID	OJ990803_11.9A14.C18
Gene No.	2238	Strand	-
Start	5968	End	6633
Name	OJ990803_11.9A14.C18.o2.tw	Method	TBLASTX:Wheat

Start 4505
 GI none
 Exons 4505..4843, 4513..4842

End 4843
 Score 176

Seq. No. 1056
 Gene No. 2238
 Start 5968
 Name OJ990803_11.9A14.C18.o3.gs
 Start 5968
 GI none
 Exons 5968..6633

Seq. ID OJ990803_11.9A14.C18
 Strand -
 End 6633
 Method GENSCAN
 End 6633
 Score .88

Seq. No. 1056
 Gene No. 2238
 Start 5968
 Name OJ990803_11.9A14.C18.o2.ts
 Start 6163
 GI none
 Exons 6163..6501

Seq. ID OJ990803_11.9A14.C18
 Strand -
 End 6633
 Method TBLASTX:Soybean
 End 6501
 Score 198

Seq. No. 1057
 Gene No. 2239
 Start 1
 Name OJ990803_11.9A14.C19.o1.gp
 Start 1
 GI uC-osflcyp033a04b1
 Exons 1..273

Seq. ID OJ990803_11.9A14.C19
 Strand +
 End 1972
 Method AAT/GAP
 End 273
 Score 472

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No. 1057
 Gene No. 2239
 Start 1
 Name OJ990803_11.9A14.C19.o1.gs
 Start 70
 GI none
 Exons 70..141, 1163..1972

Seq. ID OJ990803_11.9A14.C19
 Strand +
 End 1972
 Method GENSCAN
 End 1972
 Score .93

Seq. No. 1057
 Gene No. 2240
 Start 122
 Name OJ990803_11.9A14.C19.o1.np
 Start 122
 GI 5852180
 Exons 122..192, 2034..2113
 GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. ID OJ990803_11.9A14.C19
 Strand -
 End 2113
 Method AAT/NAP
 End 2113
 Score 42

Seq. No. 1058
 Gene No. 2241
 Start 96
 Name OJ990803_11.9A14.C21.o1.gs
 Start 96
 GI none
 Exons 96..227

Seq. ID OJ990803_11.9A14.C21
 Strand +
 End 227
 Method GENSCAN
 End 227
 Score .5

Seq. No. 1059
 Gene No. 2242

Seq. ID OJ990923_10.9A29.C1
 Strand -

Start 7
 Name OJ990923_10.9A29.C1.o1.gs
 Start 7
 GI none
 Exons 7..113, 295..459

End 459
 Method GENSCAN
 End 459
 Score .57

Seq. No. 1060
 Gene No. 2243
 Start 2989
 Name OJ990923_10.9A29.C5.o1.gs
 Start 2989
 GI none
 Exons 2989..4317

Seq. ID OJ990923_10.9A29.C5
 Strand -
 End 4347
 Method GENSCAN
 End 4317
 Score .99

Seq. No. 1060
 Gene No. 2243
 Start 2989
 Name OJ990923_10.9A29.C5.o1.np
 Start 2992
 GI 4510376
 Exons 2992..3774, 3844..4314
 GI Descrip. (AC007017) unknown protein [Arabidopsis thaliana]

Seq. ID OJ990923_10.9A29.C5
 Strand -
 End 4347
 Method AAT/NAP
 End 4314
 Score 872

Seq. No. 1060
 Gene No. 2243
 Start 2989
 Name OJ990923_10.9A29.C5.o1.ts
 Start 3010
 GI none
 Exons 3010..3324, 3025..3069, 3158..3322, 3424..3489, 3550..3660, 3877..3948, 3973..4068, 4025..4054, 4057..4116, 4070..4117, 4189..4347, 4190..4294

Seq. ID OJ990923_10.9A29.C5
 Strand -
 End 4347
 Method TBLASTX:Soybean
 End 4347
 Score .47

Seq. No. 1060
 Gene No. 2243
 Start 2989
 Name OJ990923_10.9A29.C5.o1.tw
 Start 4057
 GI none
 Exons 4057..4158, 4058..4159, 4192..4293, 4196..4294, 4199..4294

Seq. ID OJ990923_10.9A29.C5
 Strand -
 End 4347
 Method TBLASTX:Wheat
 End 4294
 Score 116

Seq. No. 1061
 Gene No. 2244
 Start 2507
 Name OJ990923_10.9A29.C7.o1.gs
 Start 2507
 GI none
 Exons 2507..2644, 3517..3708, 4034..4189

Seq. ID OJ990923_10.9A29.C7
 Strand +
 End 4189
 Method GENSCAN
 End 4189
 Score .41

Seq. No. 1062
 Gene No. 2245
 Start 2554
 Name OJ990923_10.9A29.C8.o2.gs
 Start 2554
 GI none
 Exons 2554..2744, 2749..2791

Seq. ID OJ990923_10.9A29.C8
 Strand -
 End 2791
 Method GENSCAN
 End 2791
 Score .9

Seq. No.	1063	Seq. ID	OJ990923_10.9A29.C9
Gene No.	2246	Strand	+
Start	5139	End	5406
Name	OJ990923_10.9A29.C9.o1.np	Method	AAT/NAP
Start	5139	End	5406
GI	6553934	Score	94
Exons	5139..5259, 5299..5406		
GI Descrip.	(AC011915) unknown protein [Arabidopsis thaliana]		

Seq. No.	1063	Seq. ID	OJ990923_10.9A29.C9
Gene No.	2247	Strand	-
Start	155	End	1918
Name	OJ990923_10.9A29.C9.o1.gs	Method	GENSCAN
Start	155	End	1918
GI	none	Score	.64
Exons	155..290, 574..801, 1850..1918		

Seq. No.	1064	Seq. ID	OJ990923_10.9A29.C12
Gene No.	2248	Strand	+
Start	1	End	3298
Name	OJ990923_10.9A29.C12.o1.gp	Method	AAT/GAP
Start	1	End	535
GI	uC-osflM202052h06b1	Score	400
Exons	1..146, 470..535		
GI Descrip.	'2564049/dbj AB007649.1 AB007649 6.0e-10 Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MLE2, complete sequence'		

Seq. No.	1064	Seq. ID	OJ990923_10.9A29.C12
Gene No.	2248	Strand	+
Start	1	End	3298
Name	OJ990923_10.9A29.C12.o1.gs	Method	GENSCAN
Start	4	End	3243
GI	none	Score	.64
Exons	4..146, 470..579, 1002..1058, 1319..1365, 1443..1520, 1998..2180, 2276..2356, 3009..3074, 3152..3243		

Seq. No.	1064	Seq. ID	OJ990923_10.9A29.C12
Gene No.	2248	Strand	+
Start	1	End	3298
Name	OJ990923_10.9A29.C12.o1.np	Method	AAT/NAP
Start	16	End	3298
GI	2833392	Score	257
Exons	16..146, 470..642, 1174..1365, 1443..1520, 1998..2190, 3263..3298		
GI Descrip.	HYPOTHETICAL 61.5 KD PROTEIN. IN ADEC-PDHA INTERGENIC REGION gi 2633824 emb CAB13326 (Z99111) similar to hypothetical proteins [Bacillus subtilis] gi 3282138 (AF012285) unknown [Bacillus subtilis]		

Seq. No.	1064	Seq. ID	OJ990923_10.9A29.C12
Gene No.	2248	Strand	+
Start	1	End	3298
Name	OJ990923_10.9A29.C12.o2.gp	Method	AAT/GAP
Start	1003	End	2089
GI	uC-osflcyp091g10a1	Score	776
Exons	1003..1058, 1174..1365, 1443..1520, 1998..2089		
GI Descrip.	'6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For		

Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence,
complete sequence'

Seq. No.	1064	Seq. ID	OJ990923_10.9A29.C12
Gene No.	2248	Strand	+
Start	1	End	3298
Name	OJ990923_10.9A29.C12.o1.tm	Method	TBLASTX:Maize
Start	1342	End	3249
GI	none	Score	45
Exons	1342..1368, 1347..1364, 1436..1519, 1439..1516, 1440..1523, 1441..1593, 1443..1523, 1997..2233, 2000..2182, 2270..2359, 2275..2355, 3009..3074, 3011..3073, 3013..3075, 3138..3197, 3145..3198, 3149..3217, 3149..3205, 3154..3216, 3203..3229, 3207..3245, 3208..3249		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2249	Strand	+
Start	91	End	2600
Name	OJ990923_10.9A29.C13.o1.gs	Method	GENSCAN
Start	91	End	2600
GI	none	Score	.87
Exons	91..204, 669..764, 854..951, 1111..1466, 1720..1929, 1963..2168, 2505..2600		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2250	Strand	+
Start	6182	End	11217
Name	OJ990923_10.9A29.C13.o2.gs	Method	GENSCAN
Start	6182	End	6825
GI	none	Score	.89
Exons	6182..6482, 6647..6825		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2250	Strand	+
Start	6182	End	11217
Name	OJ990923_10.9A29.C13.o3.np	Method	AAT/NAP
Start	6182	End	11214
GI	5295971	Score	5910
Exons	6182..6609, 6693..6745, 7059..11214		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94. (X13777) [Oryza sativa]		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2250	Strand	+
Start	6182	End	11217
Name	OJ990923_10.9A29.C13.o3.gs	Method	GENSCAN
Start	6949	End	11217
GI	none	Score	.6
Exons	6949..7265, 7284..7405, 7453..7610, 7742..8404, 8447..8808, 8888..9172, 9326..9458, 9529..9661, 9683..9861, 9967..10283, 10608..10871, 10944..11217		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2251	Strand	+
Start	13406	End	13773
Name	OJ990923_10.9A29.C13.o4.np	Method	AAT/NAP

Start	13406	End	13773
GI	6723804	Score	238
Exons	13406..13773		
GI Descrip.	(AJ271079) hypothetical protein [Oenothera elata subsp. hookeri] gi 6723819 emb CAB67230.1 (AJ271079) hypothetical protein [Oenothera elata subsp. hookeri]		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2252	Strand	+
Start	34781	End	36307
Name	OJ990923_10.9A29.C13.o9.gs	Method	GENSCAN
Start	34781	End	36307
GI	none	Score	.77
Exons	34781..34909, 35091..35360, 36257..36307		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2253	Strand	-
Start	14143	End	19150
Name	OJ990923_10.9A29.C13.o4.gs	Method	GENSCAN
Start	14143	End	19150
GI	none	Score	.92
Exons	14143..14220, 14742..14777, 15740..16200, 16835..16928, 17038..17129, 17255..17306, 17416..17573, 17885..17975, 18092..19150		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2253	Strand	-
Start	14143	End	19150
Name	OJ990923_10.9A29.C13.o5.np	Method	AAT/NAP
Start	15731	End	19099
GI	6633828	Score	494
Exons	15731..16190, 16831..16905, 17115..17306, 17416..17600, 17885..17975, 18092..18523, 18596..19099		
GI Descrip.	(AC009519) F1N19.18 [Arabidopsis thaliana]		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2254	Strand	-
Start	20441	End	21726
Name	OJ990923_10.9A29.C13.o5.gs	Method	GENSCAN
Start	20441	End	21726
GI	none	Score	.84
Exons	20441..20880, 21255..21406, 21539..21726		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2255	Strand	-
Start	25046	End	25507
Name	OJ990923_10.9A29.C13.o6.np	Method	AAT/NAP
Start	25046	End	25507
GI	6069668	Score	770
Exons	25046..25507		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2256	Strand	-
Start	28333	End	28602
Name	OJ990923_10.9A29.C13.o7.gs	Method	GENSCAN
Start	28333	End	28602

GI	none	Score	.84
Exons	28333..28436, 28476..28602		
Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o2.ts	Method	TBLASTX:Soybean
Start	100	End	1425
GI	none	Score	176
Exons	100..207, 105..227, 668..760, 849..938, 853..951, 854..949,	669..767, 673..768, 848..940,	1097..1423, 1108..1425, 1159..1425

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o7.tm	Method	TBLASTX:Maize
Start	150	End	982
GI	none	Score	69
Exons	150..206, 150..236, 668..760, 854..982, 858..962	669..767, 853..960, 853..951,	

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o4.ts	Method	TBLASTX:Soybean
Start	1967	End	2173
GI	none	Score	250
Exons	1967..2173, 1986..2168		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o10.tm	Method	TBLASTX:Maize
Start	5542	End	5727
GI	none	Score	192
Exons	5542..5721, 5564..5722, 5565..5723, 5565..5726, 5566..5727		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o8.tm	Method	TBLASTX:Maize
Start	6930	End	7258
GI	none	Score	44
Exons	6930..6980, 6931..7023, 7013..7036, 7068..7193, 7069..7257, 7069..7257, 7091..7258		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o1.tm	Method	TBLASTX:Maize
Start	7492	End	8209
GI	none	Score	349
Exons	7492..7761, 7492..7680, 7503..7751, 7508..7765, 7512..7769, 7786..7920, 7787..7921, 7789..7908, 7851..7922, 7872..7928, 7907..8209, 7923..8201, 8047..8202		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
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Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o2.tw	Method	TBLASTX:Wheat
Start	8134	End	8563
GI	none	Score	310
Exons	8134..8502, 8135..8500, 8507..8563		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o6.tm	Method	TBLASTX:Maize
Start	8224	End	8470
GI	none	Score	289
Exons	8224..8463, 8225..8470, 8258..8464		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o3.tm	Method	TBLASTX:Maize
Start	8712	End	9134
GI	none	Score	274
Exons	8712..8846, 8713..8910, 8714..8911, 8729..8911, 8730..8912, 8860..8979, 8909..8980, 8910..8981, 8980..9102, 8981..9133, 8982..9134		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o5.ts	Method	TBLASTX:Soybean
Start	8741	End	9164
GI	none	Score	150
Exons	8741..8911, 8914..8979, 8985..9047, 9072..9164		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o1.ts	Method	TBLASTX:Soybean
Start	9664	End	10161
GI	5509260	Score	381
Exons	9664..10161, 9978..10142		
GI Descrip.	-		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o5.tm	Method	TBLASTX:Maize
Start	9703	End	10011
GI	none	Score	340
Exons	9703..10011, 9750..10010		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o3.tc	Method	TBLASTX:Cress
Start	9787	End	10050
GI	none	Score	191
Exons	9787..10050, 9880..10050		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o1.tw	Method	TBLASTX:Wheat
Start	9832	End	10386
GI	none	Score	265
Exons	9832..10176, 9987..10172, 10162..10386		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o2.tm	Method	TBLASTX:Maize
Start	10213	End	10602
GI	none	Score	539
Exons	10213..10602, 10213..10602		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o1.tc	Method	TBLASTX:Cress
Start	10519	End	11163
GI	none	Score	221
Exons	10519..10800, 10528..10701, 10729..10779, 10815..10904, 10816..10905, 10963..11163, 11001..11147		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o3.ts	Method	TBLASTX:Soybean
Start	10540	End	11175
GI	none	Score	113
Exons	10540..10701, 10540..10701, 10714..10875, 10812..10874, 10945..11175		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o3.tw	Method	TBLASTX:Wheat
Start	10732	End	11151
GI	none	Score	109
Exons	10732..10896, 10815..10892, 10957..11139, 10972..11151		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o4.tm	Method	TBLASTX:Maize
Start	10792	End	11178
GI	none	Score	164
Exons	10792..10899, 10792..11178, 10794..11171, 10942..11172		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o2.tc	Method	TBLASTX:Cress
Start	17256	End	17575
GI	none	Score	42

Exons 17256..17309, 17272..17310, 17416..17565, 17416..17574,
17420..17575

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o9.tm	Method	TBLASTX:Maize
Start	17256	End	17575
GI	none	Score	109
Exons	17256..17309, 17416..17574, 17420..17575		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o6.ts	Method	TBLASTX:Soybean
Start	17256	End	17575
GI	none	Score	82
Exons	17256..17309, 17413..17562, 17416..17574, 17420..17575		

Seq. No.	1065	Seq. ID	OJ990923_10.9A29.C13
Gene No.	2257	Strand	-
Start	29445	End	33291
Name	OJ990923_10.9A29.C13.o8.gs	Method	GENSCAN
Start	29445	End	33291
GI	none	Score	.85
Exons	29445..29577, 30667..30939, 31050..31353, 31726..31833, 32325..32556, 32585..32674, 33286..33291		

Seq. No.	1066	Seq. ID	OJ990923_10.9A29.C14
Gene No.	2258	Strand	-
Start	1760	End	3213
Name	OJ990923_10.9A29.C14.o1.gs	Method	GENSCAN
Start	1760	End	3213
GI	none	Score	.7
Exons	1760..1905, 2790..2898, 3085..3213		

Seq. No.	1066	Seq. ID	OJ990923_10.9A29.C14
Gene No.	2259	Strand	-
Start	3640	End	3662
Name	OJ990923_10.9A29.C14.o1.tw	Method	TBLASTX:Wheat
Start	2546	End	2918
GI	none	Score	95
Exons	2546..2605, 2617..2841, 2642..2803, 2841..2918		

Seq. No.	1066	Seq. ID	OJ990923_10.9A29.C14
Gene No.	2259	Strand	-
Start	3640	End	3662
Name	OJ990923_10.9A29.C14.o1.gp	Method	AAT/GAP
Start	3640	End	3662
GI	none	Score	5
Exons	3640..3662		

Seq. No.	1067	Seq. ID	OJ990513_07.9A21.C1
Gene No.	2260	Strand	+
Start	1	End	101
Name	OJ990513_07.9A21.C1.o1.gp	Method	AAT/GAP
Start	1	End	101

GI	none	Score	198
Exons	1..101		
Seq. No.	1067	Seq. ID	OJ990513_07.9A21.C1
Gene No.	2261	Strand	-
Start	225	End	660
Name	OJ990513_07.9A21.C1.ol.gs	Method	GENSCAN
Start	225	End	660
GI	none	Score	.58
Exons	225..523, 600..660		
Seq. No.	1067	Seq. ID	OJ990513_07.9A21.C1
Gene No.	2262	Strand	-
Start	1126	End	1253
Name	OJ990513_07.9A21.C1.ol.np	Method	AAT/NAP
Start	1126	End	1253
GI	4586031	Score	92
Exons	1126..1253		
GI Descrip.	(AC007109) unknown protein [Arabidopsis thaliana]		
Seq. No.	1068	Seq. ID	OJ990513_07.9A21.C2
Gene No.	2263	Strand	+
Start	1	End	247
Name	OJ990513_07.9A21.C2.ol.np	Method	AAT/NAP
Start	1	End	247
GI	6815052	Score	172
Exons	1..247		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	1068	Seq. ID	OJ990513_07.9A21.C2
Gene No.	2264	Strand	-
Start	265	End	310
Name	OJ990513_07.9A21.C2.ol.gs	Method	GENSCAN
Start	265	End	310
GI	none	Score	.72
Exons	265..310		
Seq. No.	1069	Seq. ID	OJ990513_07.9A21.C5
Gene No.	2265	Strand	-
Start	1	End	538
Name	OJ990513_07.9A21.C5.ol.np	Method	AAT/NAP
Start	1	End	538
GI	1362003	Score	174
Exons	1..91, 196..264, 393..538		
GI Descrip.	protein phosphatase 2A B regulatory chain 55K - Arabidopsis thaliana gi 710330 (U18129) 55 kDa B regulatory subunit of phosphatase 2A [Arabidopsis thaliana]		
Seq. No.	1069	Seq. ID	OJ990513_07.9A21.C5
Gene No.	2265	Strand	-
Start	1	End	538
Name	OJ990513_07.9A21.C5.ol.tm	Method	TBLASTX:Maize
Start	169	End	489
GI	none	Score	53
Exons	169..270, 196..285, 372..488, 403..489		
Seq. No.	1069	Seq. ID	OJ990513_07.9A21.C5

Gene No. 2265
 Start 1
 Name OJ990513_07.9A21.C5.o1.ts
 Start 169
 GI none
 Exons 169..270, 372..488, 382..483

Strand -
 End 538
 Method TBLASTX:Soybean
 End 488
 Score 79

Seq. No. 1069
 Gene No. 2265
 Start 1
 Name OJ990513_07.9A21.C5.o1.tc
 Start 169
 GI none
 Exons 169..270, 372..491, 403..492

Seq. ID OJ990513_07.9A21.C5
 Strand -
 End 538
 Method TBLASTX:Cress
 End 492
 Score 75

Seq. No. 1069
 Gene No. 2265
 Start 1
 Name OJ990513_07.9A21.C5.o1.gs
 Start 196
 GI none
 Exons 196..264, 393..486

Seq. ID OJ990513_07.9A21.C5
 Strand -
 End 538
 Method GENSCAN
 End 486
 Score .76

Seq. No. 1070
 Gene No. 2266
 Start 4
 Name OJ990513_07.9A21.C6.o1.np
 Start 4
 GI 5922623
 Exons 4..84, 153..346

Seq. ID OJ990513_07.9A21.C6
 Strand +
 End 346
 Method AAT/NAP
 End 346
 Score 170

GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
 gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein
 [Oryza sativa]

Seq. No. 1071
 Gene No. 2267
 Start 1
 Name OJ990513_07.9A21.C7.o1.np
 Start 1
 GI 6721157
 Exons 1..216

Seq. ID OJ990513_07.9A21.C7
 Strand +
 End 225
 Method AAT/NAP
 End 216
 Score 291

GI Descrip. (AC016829) putative GDSL-motif lipase/acylhydrolase [Arabidopsis
 thaliana]

Seq. No. 1071
 Gene No. 2267
 Start 1
 Name OJ990513_07.9A21.C7.o1.ts
 Start 1
 GI none
 Exons 1..204, 1..132, 3..197

Seq. ID OJ990513_07.9A21.C7
 Strand +
 End 225
 Method TBLASTX:Soybean
 End 204
 Score 293

Seq. No. 1071
 Gene No. 2267
 Start 1
 Name OJ990513_07.9A21.C7.o1.tm
 Start 1

Seq. ID OJ990513_07.9A21.C7
 Strand +
 End 225
 Method TBLASTX:Maize
 End 210

GI none
Exons 1..210, 3..197

Score 344

Seq. No. 1071
Gene No. 2267
Start 1
Name OJ990513_07.9A21.C7.o1.tc
Start 1
GI none
Exons 1..213, 1..141, 3..188

Seq. ID OJ990513_07.9A21.C7
Strand +
End 225
Method TBLASTX:Cress
End 213
Score 292

Seq. No. 1071
Gene No. 2267
Start 1
Name OJ990513_07.9A21.C7.o1.gs
Start 75
GI none
Exons 75..225

Seq. ID OJ990513_07.9A21.C7
Strand +
End 225
Method GENSCAN
End 225
Score 1

Seq. No. 1072
Gene No. 2268
Start 1
Name OJ990513_07.9A21.C8.o1.np
Start 1
GI 4512714
Exons 1..247, 790..819
GI Descrip. (AC006569) hypothetical protein [Arabidopsis thaliana]

Seq. ID OJ990513_07.9A21.C8
Strand -
End 819
Method AAT/NAP
End 819
Score 201

Seq. No. 1072
Gene No. 2268
Start 1
Name OJ990513_07.9A21.C8.o1.tm
Start 78
GI none
Exons 78..248, 83..250, 92..250

Seq. ID OJ990513_07.9A21.C8
Strand -
End 819
Method TBLASTX:Maize
End 250
Score 196

Seq. No. 1072
Gene No. 2268
Start 1
Name OJ990513_07.9A21.C8.o1.ts
Start 83
GI none
Exons 83..250, 108..248

Seq. ID OJ990513_07.9A21.C8
Strand -
End 819
Method TBLASTX:Soybean
End 250
Score 144

Seq. No. 1072
Gene No. 2268
Start 1
Name OJ990513_07.9A21.C8.o1.gs
Start 92
GI none
Exons 92..247

Seq. ID OJ990513_07.9A21.C8
Strand -
End 819
Method GENSCAN
End 247
Score .99

Seq. No. 1073
Gene No. 2269
Start 275
Name OJ990513_07.9A21.C9.o1.gs
Start 275

Seq. ID OJ990513_07.9A21.C9
Strand -
End 317
Method GENSCAN
End 317

GI none
Exons 275..317

Score .87

Seq. No. 1074
Gene No. 2270
Start 2873
Name OJ990513_07.9A21.C12.o1.gs
Start 2873
GI none
Exons 2873..2987, 3173..3402

Seq. ID OJ990513_07.9A21.C12
Strand -
End 3402
Method GENSCAN
End 3402
Score .73

Seq. No. 1075
Gene No. 2271
Start 1
Name OJ990513_07.9A21.C13.o1.gp
Start 1
GI 4107133
Exons 1..477

Seq. ID OJ990513_07.9A21.C13
Strand -
End 591
Method AAT/GAP
End 477
Score 893

Seq. No. 1075
Gene No. 2271
Start 1
Name OJ990513_07.9A21.C13.o1.tm
Start 9
GI none
Exons 9..44, 18..179, 23..208, 248..304, 261..314, 395..511, 417..509, 430..510

Seq. ID OJ990513_07.9A21.C13
Strand -
End 591
Method TBLASTX:Maize
End 511
Score 124

Seq. No. 1075
Gene No. 2271
Start 1
Name OJ990513_07.9A21.C13.o1.gs
Start 121
GI none
Exons 121..315, 399..591

Seq. ID OJ990513_07.9A21.C13
Strand -
End 591
Method GENSCAN
End 591
Score .93

Seq. No. 1076
Gene No. 2272
Start 107
Name OJ990513_07.9A21.C14.o1.gs
Start 107
GI none
Exons 107..160

Seq. ID OJ990513_07.9A21.C14
Strand +
End 160
Method GENSCAN
End 160
Score .51

Seq. No. 1077
Gene No. 2273
Start 1
Name OJ990513_07.9A21.C16.o1.gp
Start 1
GI none
Exons 1..406

Seq. ID OJ990513_07.9A21.C16
Strand +
End 406
Method AAT/GAP
End 406
Score 743

Seq. No. 1077
Gene No. 2273
Start 1
Name OJ990513_07.9A21.C16.o1.np
Start 1

Seq. ID OJ990513_07.9A21.C16
Strand +
End 406
Method AAT/NAP
End 140

GI	3831441	Score	77
Exons	1..140		
GI Descrip.	(AC005819) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	1077	Seq. ID	OJ990513_07.9A21.C16
Gene No.	2274	Strand	+
Start	365	End	424
Name	OJ990513_07.9A21.C16.ol.tm	Method	TBLASTX:Maize
Start	2	End	356
GI	none	Score	193
Exons	2..115, 3..131, 3..269, 4..270, 200..274, 243..275, 252..350, 256..297, 318..356		
Seq. No.	1077	Seq. ID	OJ990513_07.9A21.C16
Gene No.	2274	Strand	+
Start	365	End	424
Name	OJ990513_07.9A21.C16.ol.gs	Method	GENSCAN
Start	365	End	424
GI	none	Score	.56
Exons	365..424		
Seq. No.	1078	Seq. ID	OJ990513_07.9A21.C18
Gene No.	2275	Strand	
Start	1	End	331
Name	OJ990513_07.9A21.C18.ol.tc	Method	TBLASTX:Cress
Start	1	End	331
GI	none	Score	75
Exons	1..120, 2..121, 3..125, 4..126, 205..315, 227..331, 227..328		
Seq. No.	1079	Seq. ID	OJ990513_07.9A21.C19
Gene No.	2276	Strand	-
Start	150	End	192
Name	OJ990513_07.9A21.C19.ol.gs	Method	GENSCAN
Start	150	End	192
GI	none	Score	.85
Exons	150..192		
Seq. No.	1080	Seq. ID	OJ990513_07.9A21.C20
Gene No.	2277	Strand	-
Start	633	End	855
Name	OJ990513_07.9A21.C20.ol.gs	Method	GENSCAN
Start	633	End	855
GI	none	Score	.41
Exons	633..715, 816..855		
Seq. No.	1081	Seq. ID	OJ990513_07.9A21.C21
Gene No.	2278	Strand	-
Start	195	End	548
Name	OJ990513_07.9A21.C21.ol.gp	Method	AAT/GAP
Start	195	End	548
GI	4107133	Score	621
Exons	195..548		
Seq. No.	1081	Seq. ID	OJ990513_07.9A21.C21
Gene No.	2278	Strand	-
Start	195	End	548
Name	OJ990513_07.9A21.C21.ol.tm	Method	TBLASTX:Maize

Start	263	End	548
GI	none	Score	276
Exons	263..529, 264..530, 267..548		
Seq. No.	1081	Seq. ID	OJ990513_07.9A21.C21
Gene No.	2278	Strand	-
Start	195	End	548
Name	OJ990513_07.9A21.C21.ol.gs	Method	GENSCAN
Start	323	End	407
GI	none	Score	.45
Exons	323..407		
Seq. No.	1082	Seq. ID	OJ990513_07.9A21.C22
Gene No.	2279	Strand	+
Start	739	End	831
Name	OJ990513_07.9A21.C22.ol.np	Method	AAT/NAP
Start	739	End	831
GI	6498436	Score	96
Exons	739..831		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	1083	Seq. ID	OJ990513_07.9A21.C24
Gene No.	2280	Strand	-
Start	1	End	729
Name	OJ990513_07.9A21.C24.ol.np	Method	AAT/NAP
Start	1	End	729
GI	1362003	Score	117
Exons	1..34, 376..729		
GI Descrip.	protein phosphatase 2A.B regulatory chain 55K - Arabidopsis thaliana gi 710330 (U18129) 55 kDa B regulatory subunit of phosphatase 2A [Arabidopsis thaliana]		
Seq. No.	1083	Seq. ID	OJ990513_07.9A21.C24
Gene No.	2280	Strand	-
Start	1	End	729
Name	OJ990513_07.9A21.C24.ol.ts	Method	TBLASTX:Soybean
Start	405	End	603
GI	none	Score	92
Exons	405..602, 442..603		
Seq. No.	1083	Seq. ID	OJ990513_07.9A21.C24
Gene No.	2280	Strand	-
Start	1	End	729
Name	OJ990513_07.9A21.C24.ol.gs	Method	GENSCAN
Start	486	End	600
GI	none	Score	.82
Exons	486..600		
Seq. No.	1084	Seq. ID	OJ990513_07.9A21.C27
Gene No.	2281	Strand	-
Start	1	End	522
Name	OJ990513_07.9A21.C27.ol.np	Method	AAT/NAP
Start	1	End	522
GI	4512711	Score	134
Exons	1..317, 426..522		
GI Descrip.	(AC006569) unknown protein [Arabidopsis thaliana]		

Seq. No.	1085	Seq. ID	OJ990513_07.9A21.C29
Gene No.	2282	Strand	+
Start	1	End	613
Name	OJ990513_07.9A21.C29.o1.np	Method	AAT/NAP
Start	1	End	613
GI	4678374	Score	74
Exons	1..70, 524..613		
GI Descrip.	(AL049656) myb-like protein [Arabidopsis thaliana]		

Seq. No.	1086	Seq. ID	OJ990513_07.9A21.C31
Gene No.	2283	Strand	+
Start	1	End	172
Name	OJ990513_07.9A21.C31.o1.gp	Method	AAT/GAP
Start	1	End	172
GI	none	Score	317
Exons	1..172		

Seq. No.	1086	Seq. ID	OJ990513_07.9A21.C31
Gene No.	2284	Strand	+
Start	1151	End	1237
Name	OJ990513_07.9A21.C31.o2.gp	Method	AAT/GAP
Start	1151	End	1237
GI	LIB3477-003-P1-K1-E9	Score	130
Exons	1151..1237		
GI Descrip.	'2498586/sp Q40638 MPO1_ORYSA:2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	1086	Seq. ID	OJ990513_07.9A21.C31
Gene No.	2285	Strand	-
Start	697	End	962
Name	OJ990513_07.9A21.C31.o1.gs	Method	GENSCAN
Start	697	End	962
GI	none	Score	.72
Exons	697..832, 937..962		

Seq. No.	1087	Seq. ID	OJ990513_07.9A21.C32
Gene No.	2286	Strand	-
Start	468	End	678
Name	OJ990513_07.9A21.C32.o1.gs	Method	GENSCAN
Start	468	End	614
GI	none	Score	.9
Exons	468..614		

Seq. No.	1087	Seq. ID	OJ990513_07.9A21.C32
Gene No.	2286	Strand	-
Start	468	End	678
Name	OJ990513_07.9A21.C32.o1.np	Method	AAT/NAP
Start	471	End	678
GI	6907089	Score	264
Exons	471..678		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	1088	Seq. ID	OJ990513_07.9A21.C34
Gene No.	2287	Strand	+
Start	533	End	955
Name	OJ990513_07.9A21.C34.o1.gs	Method	GENSCAN

Start 533
GI none
Exons 533..646, 833..941

End 941
Score .74

Seq. No. 1088
Gene No. 2287
Start 533
Name OJ990513_07.9A21.C34.o1.np
Start 560
GI 4971998
Exons 560..646, 833..955
GI Descrip. (Y14685) polynucleotide phosphorylase [Arabidopsis thaliana]
gi|4972000|emb|CAB43865.1| (Y14686) polynucleotide phosphorylase
[Arabidopsis thaliana]

Seq. ID OJ990513_07.9A21.C34
Strand +
End 955
Method AAT/NAP
End 955
Score 163

Seq. No. 1088
Gene No. 2287
Start 533
Name OJ990513_07.9A21.C34.o1.tm
Start 562
GI none
Exons 562..648, 564..647, 565..648, 566..649, 830..955, 831..953,
832..954

Seq. ID OJ990513_07.9A21.C34
Strand +
End 955
Method TBLASTX:Maize
End 955
Score 103

Seq. No. 1088
Gene No. 2287
Start 533
Name OJ990513_07.9A21.C34.o1.gp
Start 565
GI 43584_1.R1084
Exons 565..650
GI Descrip. '4971998/emb|CAB43864.1| 1.0e-53 (Y14685) polynucleotide
phosphorylase [Arabidopsis thaliana] >gi_4972000_emb_CAB43865.1_
(Y14686) polynucleotide phosphorylase [Arabidopsis thaliana]'

Seq. ID OJ990513_07.9A21.C34
Strand +
End 955
Method AAT/GAP
End 650
Score 126

Seq. No. 1089
Gene No. 2288
Start 29
Name OJ990513_07.9A21.C35.o1.gs
Start 29
GI none
Exons 29..185, 357..443

Seq. ID OJ990513_07.9A21.C35
Strand -
End 443
Method GENSCAN
End 443
Score .46

Seq. No. 1090
Gene No. 2289
Start 91
Name OJ990513_07.9A21.C37.o2.ts
Start 64
GI none
Exons 64..138, 66..140, 122..292, 141..293, 142..294

Seq. ID OJ990513_07.9A21.C37
Strand +
End 1236
Method TBLASTX:Soybean
End 294
Score 81

Seq. No. 1090
Gene No. 2289
Start 91
Name OJ990513_07.9A21.C37.o1.gs
Start 91
GI none

Seq. ID OJ990513_07.9A21.C37
Strand +
End 1236
Method GENSCAN
End 1230
Score .59

Exons 91..1230

Seq. No.	1090	Seq. ID	OJ990513_07.9A21.C37
Gene No.	2289	Strand	+
Start	91	End	1236
Name	OJ990513_07.9A21.C37.o1.ts	Method	TBLASTX:Soybean
Start	334	End	584
GI	none	Score	290
Exons	334..582, 337..573, 342..584		

Seq. No.	1090	Seq. ID	OJ990513_07.9A21.C37
Gene No.	2289	Strand	+
Start	91	End	1236
Name	OJ990513_07.9A21.C37.o1.tm	Method	TBLASTX:Maize
Start	1015	End	1236
GI	none	Score	205
Exons	1015..1233, 1017..1220, 1138..1236		

Seq. No.	1091	Seq. ID	OJ990513_07.9A21.C38
Gene No.	2290	Strand	+
Start	1	End	1946
Name	OJ990513_07.9A21.C38.o1.np	Method	AAT/NAP
Start	1	End	1944
GI	4580455	Score	450
Exons	1..27, 93..161, 279..347, 822..923, 1789..1944		
GI Descrip.	(AC006081) unknown protein [Arabidopsis thaliana]		

Seq. No.	1091	Seq. ID	OJ990513_07.9A21.C38
Gene No.	2290	Strand	+
Start	1	End	1946
Name	OJ990513_07.9A21.C38.o1.tm	Method	TBLASTX:Maize
Start	1	End	1946
GI	none	Score	45
Exons	1..33, 85..159, 90..176, 95..163, 261..356, 273..347, 281..355, 821..943, 822..929, 1782..1943, 1786..1941, 1788..1946		

Seq. No.	1091	Seq. ID	OJ990513_07.9A21.C38
Gene No.	2290	Strand	+
Start	1	End	1946
Name	OJ990513_07.9A21.C38.o1.gs	Method	GENSCAN
Start	279	End	1916
GI	none	Score	.91
Exons	279..347, 822..923, 1789..1916		

Seq. No.	1091	Seq. ID	OJ990513_07.9A21.C38
Gene No.	2290	Strand	+
Start	1	End	1946
Name	OJ990513_07.9A21.C38.o1.tc	Method	TBLASTX:Cress
Start	813	End	1941
GI	none	Score	131
Exons	813..929, 821..955, 1786..1941, 1788..1937		

Seq. No.	1091	Seq. ID	OJ990513_07.9A21.C38
Gene No.	2290	Strand	+
Start	1	End	1946
Name	OJ990513_07.9A21.C38.o1.ts	Method	TBLASTX:Soybean
Start	1794	End	1938

GI	none	Score	91
Exons	1794..1937, 1794..1937, 1795..1938		
Seq. No.	1092	Seq. ID	OJ990513_07.9A21.C39
Gene No.	2291	Strand	-
Start	787	End	1070
Name	OJ990513_07.9A21.C39.o1.gs	Method	GENSCAN
Start	787	End	1070
GI	none	Score	.59
Exons	787..897, 1050..1070		
Seq. No.	1093	Seq. ID	OJ990513_07.9A21.C40
Gene No.	2292	Strand	+
Start	125	End	238
Name	OJ990513_07.9A21.C40.o1.gs	Method	GENSCAN
Start	125	End	238
GI	none	Score	.67
Exons	125..238		
Seq. No.	1094	Seq. ID	OJ990513_07.9A21.C43
Gene No.	2293	Strand	-
Start	92	End	735
Name	OJ990513_07.9A21.C43.o1.tm	Method	TBLASTX:Maize
Start	92	End	735
GI	none	Score	196
Exons	92..226, 101..226, 118..234, 539..643, 592..642, 709..735		
Seq. No.	1095	Seq. ID	OJ990513_07.9A21.C45
Gene No.	2294	Strand	-
Start	1	End	613
Name	OJ990513_07.9A21.C45.o1.np	Method	AAT/NAP
Start	1	End	211
GI	6498436	Score	96
Exons	1..33, 112..211		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	1095	Seq. ID	OJ990513_07.9A21.C45
Gene No.	2294	Strand	-
Start	1	End	613
Name	OJ990513_07.9A21.C45.o2.np	Method	AAT/NAP
Start	1	End	613
GI	6815052	Score	86
Exons	1..37, 329..441, 586..613		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	1095	Seq. ID	OJ990513_07.9A21.C45
Gene No.	2294	Strand	-
Start	1	End	613
Name	OJ990513_07.9A21.C45.o1.gs	Method	GENSCAN
Start	125	End	211
GI	none	Score	.72
Exons	125..211		
Seq. No.	1096	Seq. ID	OJ990513_07.9A21.C48
Gene No.	2295	Strand	+
Start	1	End	1481
Name	OJ990513_07.9A21.C48.o1.np	Method	AAT/NAP

Start	1	End	1478
GI	6539586	Score	1763
Exons	1..1478		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	1096	Seq. ID	OJ990513_07.9A21.C48
Gene No.	2295	Strand	+
Start	1	End	1481
Name	OJ990513_07.9A21.C48.o1.gs	Method	GENSCAN
Start	114	End	1481
GI	none	Score	.51
Exons	114..1481		

Seq. No.	1096	Seq. ID	OJ990513_07.9A21.C48
Gene No.	2296	Strand	-
Start	1489	End	1946
Name	OJ990513_07.9A21.C48.o1.gp	Method	AAT/GAP
Start	1489	End	1946
GI	2428323	Score	632
Exons	1489..1946		
GI Descrip.	5803242/dbj AP000399.1 AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	1096	Seq. ID	OJ990513_07.9A21.C48
Gene No.	2296	Strand	-
Start	1489	End	1946
Name	OJ990513_07.9A21.C48.o2.gs	Method	GENSCAN
Start	1708	End	1866
GI	none	Score	.64
Exons	1708..1866		

Seq. No.	1097	Seq. ID	OJ990513_07.9A21.C49
Gene No.	2297	Strand	+
Start	244	End	329
Name	OJ990513_07.9A21.C49.o1.gs	Method	GENSCAN
Start	244	End	329
GI	none	Score	.9
Exons	244..329		

Seq. No.	1098	Seq. ID	OJ990513_07.9A21.C52
Gene No.	2298	Strand	-
Start	1902	End	2478
Name	OJ990513_07.9A21.C52.o1.gs	Method	GENSCAN
Start	1902	End	2478
GI	none	Score	.51
Exons	1902..2072, 2297..2400, 2454..2478		

Seq. No.	1098	Seq. ID	OJ990513_07.9A21.C52
Gene No.	2299	Strand	-
Start	6671	End	7621
Name	OJ990513_07.9A21.C52.o2.gs	Method	GENSCAN
Start	6671	End	7621
GI	none	Score	.52
Exons	6671..6783, 6798..6905, 7522..7621		

Seq. No.	1099	Seq. ID	OJ990513_07.9A21.C53
Gene No.	2300	Strand	+

Start	1719	End	7007
Name	OJ990513_07.9A21.C53.o2.np		
Start	1719	End	7007
GI	5852180	Score	739
Exons	1719..1901, 5290..5359, 6351..6467, 6519..7007		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	1099	Seq. ID	OJ990513_07.9A21.C53
Gene No.	2300	Strand	+
Start	1719	End	7007
Name	OJ990513_07.9A21.C53.o3.gs	Method	GENSCAN
Start	6395	End	6901
GI	none	Score	.46
Exons	6395..6901		

Seq. No.	1099	Seq. ID	OJ990513_07.9A21.C53
Gene No.	2301	Strand	-
Start	594	End	1053
Name	OJ990513_07.9A21.C53.o1.gs	Method	GENSCAN
Start	594	End	1053
GI	none	Score	.61
Exons	594..681, 938..1053		

Seq. No.	1099	Seq. ID	OJ990513_07.9A21.C53
Gene No.	2302	Strand	-
Start	5209	End	5592
Name	OJ990513_07.9A21.C53.o1.gp	Method	AAT/GAP
Start	5209	End	5592
GI	uC-osflcyp033a04b1	Score	657
Exons	5209..5592		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	1100	Seq. ID	OJ990513_07.9A21.C54
Gene No.	2303	Strand	+
Start	968	End	1533
Name	OJ990513_07.9A21.C54.o1.np	Method	AAT/NAP
Start	968	End	1533
GI	2443320	Score	716
Exons	968..1533		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	1100	Seq. ID	OJ990513_07.9A21.C54
Gene No.	2303	Strand	+
Start	968	End	1533
Name	OJ990513_07.9A21.C54.o1.gs	Method	GENSCAN
Start	971	End	1358
GI	none	Score	.43
Exons	971..1358		

Seq. No.	1100	Seq. ID	OJ990513_07.9A21.C54
Gene No.	2303	Strand	+
Start	968	End	1533
Name	OJ990513_07.9A21.C54.o1.tw	Method	TBLASTX:Wheat
Start	1166	End	1512
GI	none	Score	203
Exons	1166..1510, 1300..1512		

Seq. No.	1101	Seq. ID	OJ990513_07.9A21.C55
Gene No.	2304	Strand	+
Start	1	End	761
Name	OJ990513_07.9A21.C55.o1.np	Method	AAT/NAP
Start	1	End	761
GI	2443320	Score	1131
Exons	1..761		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	1101	Seq. ID	OJ990513_07.9A21.C55
Gene No.	2304	Strand	+
Start	1	End	761
Name	OJ990513_07.9A21.C55.o2.tw	Method	TBLASTX:Wheat
Start	16	End	276
GI	none	Score	144
Exons	16..150, 21..215, 148..276, 160..276		

Seq. No.	1101	Seq. ID	OJ990513_07.9A21.C55
Gene No.	2304	Strand	+
Start	1	End	761
Name	OJ990513_07.9A21.C55.o1.gs	Method	GENSCAN
Start	121	End	684
GI	none	Score	.41
Exons	121..684		

Seq. No.	1101	Seq. ID	OJ990513_07.9A21.C55
Gene No.	2304	Strand	+
Start	1	End	761
Name	OJ990513_07.9A21.C55.o1.ts	Method	TBLASTX:Soybean
Start	211	End	594
GI	none	Score	110
Exons	211..345, 370..594, 394..516		

Seq. No.	1101	Seq. ID	OJ990513_07.9A21.C55
Gene No.	2304	Strand	+
Start	1	End	761
Name	OJ990513_07.9A21.C55.o1.tw	Method	TBLASTX:Wheat
Start	277	End	669
GI	none	Score	496
Exons	277..669, 297..668		

Seq. No.	1101	Seq. ID	OJ990513_07.9A21.C55
Gene No.	2304	Strand	+
Start	1	End	761
Name	OJ990513_07.9A21.C55.o1.tm	Method	TBLASTX:Maize
Start	376	End	738
GI	none	Score	212
Exons	376..738		

Seq. No.	1102	Seq. ID	OJ990513_07.9A21.C56
Gene No.	2305	Strand	+
Start	1	End	357
Name	OJ990513_07.9A21.C56.o1.np	Method	AAT/NAP
Start	1	End	357
GI	2443320	Score	475
Exons	1..357		

GI Descrip. (D85597) polyprotein [Oryza australiensis]

Seq. No.	1102	Seq. ID	OJ990513_07.9A21.C56
Gene No.	2305	Strand	+
Start	1	End	357
Name	OJ990513_07.9A21.C56.o1.tw	Method	TBLASTX:Wheat
Start	1	End	302
GI	none	Score	388
Exons	1..300, 3..302, 20..301		

Seq. No.	1102	Seq. ID	OJ990513_07.9A21.C56
Gene No.	2305	Strand	+
Start	1	End	357
Name	OJ990513_07.9A21.C56.o1.tm	Method	TBLASTX:Maize
Start	3	End	302
GI	none	Score	178
Exons	3..302		

Seq. No.	1103	Seq. ID	OJ990513_07.9A21.C57
Gene No.	2306	Strand	-
Start	268	End	715
Name	OJ990513_07.9A21.C57.o2.np	Method	AAT/NAP
Start	268	End	715
GI	5852181	Score	127
Exons	268..715		

GI Descrip. (AL117265) zhb0011.1 [Oryza sativa]

Seq. No.	1104	Seq. ID	OJ990513_07.9A21.C58
Gene No.	2307	Strand	+
Start	1	End	2182
Name	OJ990513_07.9A21.C58.o1.np	Method	AAT/NAP
Start	1	End	2179
GI	4680179	Score	3057
Exons	1..2179		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	1104	Seq. ID	OJ990513_07.9A21.C58
Gene No.	2307	Strand	+
Start	1	End	2182
Name	OJ990513_07.9A21.C58.o5.tw	Method	TBLASTX:Wheat
Start	1	End	175
GI	none	Score	214
Exons	1..159, 2..175, 26..169		

Seq. No.	1104	Seq. ID	OJ990513_07.9A21.C58
Gene No.	2307	Strand	+
Start	1	End	2182
Name	OJ990513_07.9A21.C58.o4.tm	Method	TBLASTX:Maize
Start	1	End	241
GI	none	Score	253
Exons	1..240, 2..241		

Seq. No.	1104	Seq. ID	OJ990513_07.9A21.C58
Gene No.	2307	Strand	+
Start	1	End	2182
Name	OJ990513_07.9A21.C58.o3.ts	Method	TBLASTX:Soybean
Start	1	End	160

GI	none	Score	199
Exons	1..159, 2..160		
Seq. No.	1104	Seq. ID	OJ990513_07.9A21.C58
Gene No.	2307	Strand	+
Start	1	End	2182
Name	OJ990513_07.9A21.C58.o1.gs	Method	GENSCAN
Start	81	End	2182
GI	none	Score	.63
Exons	81..516, 595..1141, 1186..1668, 1787..2182		
Seq. No.	1104	Seq. ID	OJ990513_07.9A21.C58
Gene No.	2307	Strand	+
Start	1	End	2182
Name	OJ990513_07.9A21.C58.o3.tw	Method	TBLASTX:Wheat
Start	176	End	598
GI	none	Score	576
Exons	176..598, 208..597		
Seq. No.	1104	Seq. ID	OJ990513_07.9A21.C58
Gene No.	2307	Strand	+
Start	1	End	2182
Name	OJ990513_07.9A21.C58.o2.ts	Method	TBLASTX:Soybean
Start	182	End	427
GI	none	Score	207
Exons	182..427, 199..426		
Seq. No.	1104	Seq. ID	OJ990513_07.9A21.C58
Gene No.	2307	Strand	+
Start	1	End	2182
Name	OJ990513_07.9A21.C58.o2.tm	Method	TBLASTX:Maize
Start	247	End	662
GI	none	Score	462
Exons	247..549, 248..601, 248..610, 261..662		
Seq. No.	1104	Seq. ID	OJ990513_07.9A21.C58
Gene No.	2307	Strand	+
Start	1	End	2182
Name	OJ990513_07.9A21.C58.o2.tw	Method	TBLASTX:Wheat
Start	601	End	1167
GI	none	Score	434
Exons	601..1023, 632..1036, 713..1030, 1033..1167, 1035..1163		
Seq. No.	1104	Seq. ID	OJ990513_07.9A21.C58
Gene No.	2307	Strand	+
Start	1	End	2182
Name	OJ990513_07.9A21.C58.o5.tm	Method	TBLASTX:Maize
Start	818	End	1033
GI	none	Score	178
Exons	818..1033, 928..1014		
Seq. No.	1104	Seq. ID	OJ990513_07.9A21.C58
Gene No.	2307	Strand	+
Start	1	End	2182
Name	OJ990513_07.9A21.C58.o1.ts	Method	TBLASTX:Soybean
Start	956	End	1216
GI	none	Score	67

Exons	956..1036, 1033..1215, 1035..1214, 1036..1215, 1085..1216		
Seq. No.	1104	Seq. ID	OJ990513_07.9A21.C58
Gene No.	2307	Strand	+
Start	1	End	2182
Name	OJ990513_07.9A21.C58.o3.tm	Method	TBLASTX:Maize
Start	1033	End	1305
GI	none	Score	333
Exons	1033..1305, 1038..1301		
Seq. No.	1104	Seq. ID	OJ990513_07.9A21.C58
Gene No.	2307	Strand	+
Start	1	End	2182
Name	OJ990513_07.9A21.C58.o1.tw	Method	TBLASTX:Wheat
Start	1174	End	1801
GI	none	Score	554
Exons	1174..1677, 1230..1676, 1664..1801, 1676..1798		
Seq. No.	1104	Seq. ID	OJ990513_07.9A21.C58
Gene No.	2307	Strand	+
Start	1	End	2182
Name	OJ990513_07.9A21.C58.o1.tm	Method	TBLASTX:Maize
Start	1354	End	1954
GI	none	Score	231
Exons	1354..1515, 1362..1508, 1512..1661, 1513..1653, 1676..1954, 1684..1938		
Seq. No.	1104	Seq. ID	OJ990513_07.9A21.C58
Gene No.	2307	Strand	+
Start	1	End	2182
Name	OJ990513_07.9A21.C58.o4.tw	Method	TBLASTX:Wheat
Start	1801	End	2134
GI	none	Score	328
Exons	1801..2070, 1802..2134, 1805..2113		
Seq. No.	1105	Seq. ID	OJ990513_07.9A21.C59
Gene No.	2308	Strand	+
Start	1	End	1026
Name	OJ990513_07.9A21.C59.o1.np	Method	AAT/NAP
Start	1	End	1026
GI	5803259	Score	378
Exons	1..59, 684..1026		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	1105	Seq. ID	OJ990513_07.9A21.C59
Gene No.	2309	Strand	-
Start	788	End	974
Name	OJ990513_07.9A21.C59.o1.gs	Method	GENSCAN
Start	788	End	974
GI	none	Score	1
Exons	788..974		
Seq. No.	1106	Seq. ID	OJ990513_07.9A21.C60
Gene No.	2310	Strand	-
Start	1	End	1794
Name	OJ990513_07.9A21.C60.o1.np	Method	AAT/NAP
Start	1	End	1794

GI	6498441	Score	2488
Exons	1..1507, 1679..1794		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	1106	Seq. ID	OJ990513_07.9A21.C60
Gene No.	2310	Strand	-
Start	1	End	1794
Name	OJ990513_07.9A21.C60.o3.tw	Method	TBLASTX:Wheat
Start	2	End	346
GI	none	Score	177
Exons	2..346, 63..341		

Seq. No.	1106	Seq. ID	OJ990513_07.9A21.C60
Gene No.	2310	Strand	-
Start	1	End	1794
Name	OJ990513_07.9A21.C60.o1.tw	Method	TBLASTX:Wheat
Start	347	End	728
GI	none	Score	168
Exons	347..727, 378..626, 672..728		

Seq. No.	1106	Seq. ID	OJ990513_07.9A21.C60
Gene No.	2310	Strand	-
Start	1	End	1794
Name	OJ990513_07.9A21.C60.o1.tm	Method	TBLASTX:Maize
Start	542	End	865
GI	none	Score	192
Exons	542..865, 555..836		

Seq. No.	1106	Seq. ID	OJ990513_07.9A21.C60
Gene No.	2310	Strand	-
Start	1	End	1794
Name	OJ990513_07.9A21.C60.o4.tw	Method	TBLASTX:Wheat
Start	1058	End	1370
GI	none	Score	66
Exons	1058..1318, 1194..1370		

Seq. No.	1106	Seq. ID	OJ990513_07.9A21.C60
Gene No.	2310	Strand	-
Start	1	End	1794
Name	OJ990513_07.9A21.C60.o1.ts	Method	TBLASTX:Soybean
Start	1118	End	1684
GI	5666795	Score	63
Exons	1118..1318, 1373..1510, 1586..1684		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	1106	Seq. ID	OJ990513_07.9A21.C60
Gene No.	2310	Strand	-
Start	1	End	1794
Name	OJ990513_07.9A21.C60.o2.tw	Method	TBLASTX:Wheat
Start	1373	End	1792
GI	none	Score	92
Exons	1373..1522, 1374..1511, 1376..1513, 1569..1742, 1583..1792, 1583..1792		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
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Gene No.	2311	Strand	+
Start	4308	End	6128
Name	OJ990513_07.9A21.C61.o2.np	Method	AAT/NAP
Start	4308	End	6128
GI	5922623	Score	396
Exons	4308..4388, 4734..4881, 5049..5124, 5914..6128		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2311	Strand	+
Start	4308	End	6128
Name	OJ990513_07.9A21.C61.o1.gp	Method	AAT/GAP
Start	5400	End	5966
GI	4879016	Score	810
Exons	5400..5966		
GI Descrip.	6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2312	Strand	+
Start	6242	End	6534
Name	OJ990513_07.9A21.C61.o2.gs	Method	GENSCAN
Start	6242	End	6534
GI	none	Score	.8
Exons	6242..6391, 6421..6534		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2313	Strand	+
Start	9060	End	11137
Name	OJ990513_07.9A21.C61.o2.gp	Method	AAT/GAP
Start	9017	End	9498
GI	30918_1.R1084	Score	741
Exons	9017..9286, 9381..9498		
GI Descrip.	'5734748/gb AAD50013.1 AC007651_8 3.0e-20 (AC007651) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2313	Strand	+
Start	9060	End	11137
Name	OJ990513_07.9A21.C61.o3.gs	Method	GENSCAN
Start	9060	End	11137
GI	none	Score	.43
Exons	9060..9286, 9381..9498, 10862..11137		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2313	Strand	+
Start	9060	End	11137
Name	OJ990513_07.9A21.C61.o3.np	Method	AAT/NAP
Start	9066	End	11134
GI	5734748	Score	455
Exons	9066..9286, 9381..9498, 10862..11134		
GI Descrip.	(AC007651) Unknown protein [Arabidopsis thaliana]		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
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Gene No.	2314	Strand	-
Start	1	End	3725
Name	OJ990513_07.9A21.C61.o1.np	Method	AAT/NAP
Start	1	End	3725
GI	6498441	Score	3962
Exons	1..506, 699..938, 1113..1247, 1431..1804, 1868..2331, 2662..3725		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2315	Strand	-
Start	11051	End	11402
Name	OJ990513_07.9A21.C61.o3.gp	Method	AAT/GAP
Start	11051	End	11402
GI	none	Score	651
Exons	11051..11402		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2316	Strand	-
Start	18445	End	18542
Name	OJ990513_07.9A21.C61.o5.tw	Method	TBLASTX:Wheat
Start	1	End	264
GI	none	Score	110
Exons	1..72, 66..263, 76..264		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2316	Strand	-
Start	18445	End	18542
Name	OJ990513_07.9A21.C61.o2.ts	Method	TBLASTX:Soybean
Start	777	End	1147
GI	none	Score	90
Exons	777..905, 911..1147, 987..1130		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2316	Strand	-
Start	18445	End	18542
Name	OJ990513_07.9A21.C61.o3.tw	Method	TBLASTX:Wheat
Start	802	End	1226
GI	none	Score	69
Exons	802..894, 807..950, 882..1127, 891..1172, 911..1225, 1036..1224, 1194..1226		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2316	Strand	-
Start	18445	End	18542
Name	OJ990513_07.9A21.C61.o3.tm	Method	TBLASTX:Maize
Start	911	End	1283
GI	none	Score	166
Exons	911..1282, 918..1139, 1197..1283		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2316	Strand	-
Start	18445	End	18542
Name	OJ990513_07.9A21.C61.o1.tm	Method	TBLASTX:Maize
Start	1310	End	1666
GI	none	Score	114

Exons 1310..1612, 1310..1666, 1320..1631

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2316	Strand	-
Start	18445	End	18542
Name	OJ990513_07.9A21.C61.o1.tw	Method	TBLASTX:Wheat
Start	1334	End	1797
GI	none	Score	400
Exons	1334..1795, 1335..1796, 1354..1797		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2316	Strand	-
Start	18445	End	18542
Name	OJ990513_07.9A21.C61.o3.ts	Method	TBLASTX:Soybean
Start	1391	End	1756
GI	none	Score	117
Exons	1391..1525, 1532..1756		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2316	Strand	-
Start	18445	End	18542
Name	OJ990513_07.9A21.C61.o2.tw	Method	TBLASTX:Wheat
Start	1964	End	2447
GI	none	Score	165
Exons	1964..2446, 1992..2252, 2274..2447		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2316	Strand	-
Start	18445	End	18542
Name	OJ990513_07.9A21.C61.o4.tw	Method	TBLASTX:Wheat
Start	3185	End	3577
GI	none	Score	83
Exons	3185..3442, 3297..3458, 3425..3523, 3426..3506, 3530..3577		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2316	Strand	-
Start	18445	End	18542
Name	OJ990513_07.9A21.C61.o4.tm	Method	TBLASTX:Maize
Start	3287	End	3572
GI	none	Score	89
Exons	3287..3535, 3288..3572		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2316	Strand	-
Start	18445	End	18542
Name	OJ990513_07.9A21.C61.o1.ts	Method	TBLASTX:Soybean
Start	9047	End	11023
GI	none	Score	154
Exons	9047..9289, 9075..9290, 9378..9503, 9379..9501, 10859..10918, 10943..11023		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2316	Strand	-
Start	18445	End	18542
Name	OJ990513_07.9A21.C61.o2.tm	Method	TBLASTX:Maize
Start	9048	End	11140
GI	none	Score	43

Exons 9048..9131, 9126..9290, 9131..9289, 9378..9500, 9379..9501,
9382..9537, 10859..11095, 10861..11085, 11077..11136,
11081..11140

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2316	Strand	-
Start	18445	End	18542
Name	OJ990513_07.9A21.C61.o1.tc	Method	TBLASTX:Cress
Start	9156	End	11128
GI	none	Score	151
Exons	9156..9290, 9158..9289, 9379..9462, 9457..9501, 10859..11128, 10861..11022		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2316	Strand	-
Start	18445	End	18542
Name	OJ990513_07.9A21.C61.o4.gp	Method	AAT/GAP
Start	15980	End	16354
GI	4716495	Score	724
Exons	15980..16354		

Seq. No.	1107	Seq. ID	OJ990513_07.9A21.C61
Gene No.	2316	Strand	-
Start	18445	End	18542
Name	OJ990513_07.9A21.C61.o4.gs	Method	GENSCAN
Start	18445	End	18542
GI	none	Score	.41
Exons	18445..18542		

Seq. No.	1108	Seq. ID	OJ990513_07.9A21.C62
Gene No.	2317	Strand	+
Start	199	End	4909
Name	OJ990513_07.9A21.C62.o1.gs	Method	GENSCAN
Start	199	End	4909
GI	none	Score	.62
Exons	199..313, 3036..3207, 4218..4277, 4545..4625, 4689..4909		

Seq. No.	1108	Seq. ID	OJ990513_07.9A21.C62
Gene No.	2318	Strand	+
Start	4947	End	6291
Name	OJ990513_07.9A21.C62.o2.np	Method	AAT/NAP
Start	4947	End	6291
GI	6630699	Score	80
Exons	4947..4969, 6214..6291		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	1108	Seq. ID	OJ990513_07.9A21.C62
Gene No.	2319	Strand	+
Start	6427	End	8403
Name	OJ990513_07.9A21.C62.o3.np	Method	AAT/NAP
Start	6427	End	8403
GI	6539570	Score	195
Exons	6427..6632, 6829..6883, 8237..8403		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	1108	Seq. ID	OJ990513_07.9A21.C62
Gene No.	2320	Strand	+
Start	10150	End	11473
Name	OJ990513_07.9A21.C62.o1.gp	Method	AAT/GAP
Start	9969	End	10683
GI	31743.1.R1084	Score	1338
Exons	9969..10683		
GI Descrip.	'3063468 5.0e-16 (AC003981) F22013.30 [Arabidopsis thaliana]'		

Seq. No.	1108	Seq. ID	OJ990513_07.9A21.C62
Gene No.	2320	Strand	+
Start	10150	End	11473
Name	OJ990513_07.9A21.C62.o4.gs	Method	GENSCAN
Start	10150	End	11473
GI	none	Score	.91
Exons	10150..10783, 11388..11473		

Seq. No.	1108	Seq. ID	OJ990513_07.9A21.C62
Gene No.	2320	Strand	+
Start	10150	End	11473
Name	OJ990513_07.9A21.C62.o4.np	Method	AAT/NAP
Start	10207	End	10985
GI	6175172	Score	308
Exons	10207..10412, 10464..10637, 10665..10783, 10909..10985		
GI Descrip.	(AC011437) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1108	Seq. ID	OJ990513_07.9A21.C62
Gene No.	2321	Strand	-
Start	2983	End	6154
Name	OJ990513_07.9A21.C62.o1.np	Method	AAT/NAP
Start	2983	End	6154
GI	5922620	Score	265
Exons	2983..3205, 4424..4678, 4777..4945, 5977..6017, 6109..6154		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1108	Seq. ID	OJ990513_07.9A21.C62
Gene No.	2321	Strand	-
Start	2983	End	6154
Name	OJ990513_07.9A21.C62.o2.gs	Method	GENSCAN
Start	5071	End	6089
GI	none	Score	.89
Exons	5071..5249, 5556..5580, 5931..6089		

Seq. No.	1108	Seq. ID	OJ990513_07.9A21.C62
Gene No.	2322	Strand	-
Start	11248	End	11602
Name	OJ990513_07.9A21.C62.o1.tm	Method	TBLASTX:Maize
Start	10131	End	10616
GI	none	Score	117
Exons	10131..10241, 10135..10236, 10302..10613, 10302..10367, 10310..10591, 10315..10614, 10581..10616		

Seq. No.	1108	Seq. ID	OJ990513_07.9A21.C62
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Gene No.	2322	Strand	-
Start	11248	End	11602
Name	OJ990513_07.9A21.C62.o3.gp	Method	AAT/GAP
Start	11248	End	11602
GI	uC-osflcyp106c11a1	Score	662
Exons	11248..11602		
GI Descrip.	'6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	1109	Seq. ID	OJ990513_07.9A21.C63
Gene No.	2323	Strand	+
Start	1266	End	1317
Name	OJ990513_07.9A21.C63.o1.gs	Method	GENSCAN
Start	1266	End	1317
GI	none	Score	.46
Exons	1266..1317		

Seq. No.	1109	Seq. ID	OJ990513_07.9A21.C63
Gene No.	2324	Strand	-
Start	61	End	415
Name	OJ990513_07.9A21.C63.o1.gp	Method	AAT/GAP
Start	61	End	415
GI	uC-osflcyp106c11a1	Score	662
Exons	61..415		
GI Descrip.	'6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	1110	Seq. ID	OJ990513_07.9A21.C64
Gene No.	2325	Strand	-
Start	782	End	2468
Name	OJ990513_07.9A21.C64.o1.np	Method	AAT/NAP
Start	782	End	2468
GI	5852172	Score	91
Exons	782..923, 2424..2468		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	1111	Seq. ID	OJ990513_07.9A21.C66
Gene No.	2326	Strand	-
Start	12	End	478
Name	OJ990513_07.9A21.C66.o1.np	Method	AAT/NAP
Start	12	End	478
GI	6691716	Score	553
Exons	12..478		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	1111	Seq. ID	OJ990513_07.9A21.C66
Gene No.	2326	Strand	-
Start	12	End	478
Name	OJ990513_07.9A21.C66.o1.gs	Method	GENSCAN
Start	63	End	341
GI	none	Score	.61
Exons	63..341		

Seq. No.	1112	Seq. ID	OJ990513_07.9A21.C67
Gene No.	2327	Strand	+
Start	400	End	1095
Name	OJ990513_07.9A21.C67.ol.np	Method	AAT/NAP
Start	400	End	1095
GI	4971998	Score	327
Exons	400..597, 714..933, 1028..1095		
GI Descrip.	(Y14685) polynucleotide phosphorylase [Arabidopsis thaliana] gi 4972000 emb CAB43865.1 (Y14686) polynucleotide phosphorylase [Arabidopsis thaliana]		

Seq. No.	1112	Seq. ID	OJ990513_07.9A21.C67
Gene No.	2327	Strand	+
Start	400	End	1095
Name	OJ990513_07.9A21.C67.ol.gs	Method	GENSCAN
Start	472	End	597
GI	none	Score	.71
Exons	472..597		

Seq. No.	1112	Seq. ID	OJ990513_07.9A21.C67
Gene No.	2327	Strand	+
Start	400	End	1095
Name	OJ990513_07.9A21.C67.ol.gp	Method	AAT/GAP
Start	758	End	1095
GI	43584.1.R1084	Score	.434
Exons	758..933, 1028..1095		
GI Descrip.	'4971998/emb CAB43864.1 1.0e-53 (Y14685) polynucleotide phosphorylase [Arabidopsis thaliana] >gi_4972000_emb_CAB43865.1_ (Y14686) polynucleotide phosphorylase [Arabidopsis thaliana]'		

Seq. No.	1113	Seq. ID	OJ990513_07.9A21.C68
Gene No.	2328	Strand	-
Start	1	End	395
Name	OJ990513_07.9A21.C68.ol.gp	Method	AAT/GAP
Start	1	End	395
GI	286838	Score	742
Exons	1..395		

Seq. No.	1113	Seq. ID	OJ990513_07.9A21.C68
Gene No.	2328	Strand	-
Start	1	End	395
Name	OJ990513_07.9A21.C68.ol.np	Method	AAT/NAP
Start	1	End	386
GI	4971998	Score	80
Exons	1..386		
GI Descrip.	(Y14685) polynucleotide phosphorylase [Arabidopsis thaliana] gi 4972000 emb CAB43865.1 (Y14686) polynucleotide phosphorylase [Arabidopsis thaliana]		

Seq. No.	1113	Seq. ID	OJ990513_07.9A21.C68
Gene No.	2328	Strand	-
Start	1	End	395
Name	OJ990513_07.9A21.C68.ol.gs	Method	GENSCAN
Start	30	End	386
GI	none	Score	.9
Exons	30..386		

Seq. No.	1113	Seq. ID	OJ990513_07.9A21.C68
Gene No.	2328	Strand	-
Start	1	End	395
Name	OJ990513_07.9A21.C68.ol.tm	Method	TBLASTX:Maize
Start	39	End	306
GI	none	Score	150
Exons	39..221, 42..221, 234..305, 247..306		

Seq. No.	1114	Seq. ID	OJ990513_07.9A21.C69
Gene No.	2329	Strand	-
Start	538	End	1864
Name	OJ990513_07.9A21.C69.ol.gs	Method	GENSCAN
Start	538	End	1864
GI	none	Score	.42
Exons	538..700, 884..1150, 1523..1758, 1772..1864		

Seq. No.	1115	Seq. ID	OJ990513_07.9A21.C70
Gene No.	2330	Strand	+
Start	122	End	2620
Name	OJ990513_07.9A21.C70.ol.gs	Method	GENSCAN
Start	122	End	1958
GI	none	Score	.61
Exons	122..467, 476..649, 1894..1958		

Seq. No.	1115	Seq. ID	OJ990513_07.9A21.C70
Gene No.	2330	Strand	+
Start	122	End	2620
Name	OJ990513_07.9A21.C70.ol.gp	Method	AAT/GAP
Start	357	End	2620
GI	none	Score	780
Exons	357..392, 476..649, 1894..1958, 2392..2620		

Seq. No.	1115	Seq. ID	OJ990513_07.9A21.C70
Gene No.	2330	Strand	+
Start	122	End	2620
Name	OJ990513_07.9A21.C70.ol.tm	Method	TBLASTX:Maize
Start	484	End	2500
GI	none	Score	.227
Exons	484..651, 496..651, 539..652, 1877..1960, 1893..1961, 2386..2499, 2390..2500		

Seq. No.	1115	Seq. ID	OJ990513_07.9A21.C70
Gene No.	2330	Strand	+
Start	122	End	2620
Name	OJ990513_07.9A21.C70.ol.tc	Method	TBLASTX:Cress
Start	517	End	660
GI	none	Score	180
Exons	517..660, 543..647		

Seq. No.	1116	Seq. ID	OJ990513_07.9A21.C71
Gene No.	2331	Strand	+
Start	318	End	372
Name	OJ990513_07.9A21.C71.ol.gs	Method	GENSCAN
Start	318	End	372
GI	none	Score	.54
Exons	318..372		

Seq. No.	1117	Seq. ID	OJ990513_07.9A21.C72
Gene No.	2332	Strand	+
Start	92	End	597
Name	OJ990513_07.9A21.C72.ol.np	Method	AAT/NAP
Start	92	End	597
GI	1707980	Score	76
Exons	92..264, 580..597		
GI Descrip.	GLUTAREDOXIN gi 1084458 pir S41736 glutaredoxin thioltransferase - Rice gi 485953 emb CAA54397 (X77150) glutaredoxin [Oryza sativa]		

Seq. No.	1118	Seq. ID	OJ990513_07.9A21.C74
Gene No.	2333	Strand	-
Start	486	End	632
Name	OJ990513_07.9A21.C74.ol.gs	Method	GENSCAN
Start	486	End	632
GI	none	Score	.69
Exons	486..632		

Seq. No.	1119	Seq. ID	OJ990513_07.9A21.C79
Gene No.	2334	Strand	-
Start	42	End	854
Name	OJ990513_07.9A21.C79.ol.gs	Method	GENSCAN
Start	42	End	854
GI	none	Score	.98
Exons	42..290, 658..854		

Seq. No.	1120	Seq. ID	OJ990513_07.9A21.C80
Gene No.	2335	Strand	-
Start	366	End	584
Name	OJ990513_07.9A21.C80.ol.gs	Method	GENSCAN
Start	366	End	584
GI	none	Score	.69
Exons	366..449, 521..584		

Seq. No.	1120	Seq. ID	OJ990513_07.9A21.C80
Gene No.	2336	Strand	-
Start	527	End	1143
Name	OJ990513_07.9A21.C80.ol.np	Method	AAT/NAP
Start	527	End	1143
GI	3881104	Score	29
Exons	527..590, 673..802, 1012..1143		
GI Descrip.	(AL032646) similar to Helicases conserved C-terminal domain; cDNA EST EMBL:D36737 comes from this gene; cDNA EST yk430a5.5 comes from this gene; cDNA EST yk432a9.5 comes from this gene; cDNA EST yk275d4.5 comes from this gene...		

Seq. No.	1121	Seq. ID	OJ990513_07.9A21.C81
Gene No.	2337	Strand	+
Start	209	End	348
Name	OJ990513_07.9A21.C81.ol.gs	Method	GENSCAN
Start	209	End	348
GI	none	Score	.69
Exons	209..348		

Seq. No.	1122	Seq. ID	OJ990513_07.9A21.C82
Gene No.	2338	Strand	+

Start	1	End	1583
Name	OJ990513_07.9A21.C82.o1.np	Method	AAT/NAP
Start	1	End	1583
GI	4971998	Score	597
Exons	1..211, 415..534, 1187..1324, 1414..1583		
GI Descrip.	(Y14685) polynucleotide phosphorylase [Arabidopsis thaliana] gi 4972000 emb CAB43865.1 (Y14686) polynucleotide phosphorylase [Arabidopsis thaliana]		

Seq. No.	1122	Seq. ID	OJ990513_07.9A21.C82
Gene No.	2338	Strand	+
Start	1	End	1583
Name	OJ990513_07.9A21.C82.o1.gs	Method	GENSCAN
Start	50	End	1576
GI	none	Score	.8
Exons	50..211, 415..534, 1187..1324, 1414..1576		

Seq. No.	1123	Seq. ID	OJ990513_07.9A21.C83
Gene No.	2339	Strand	-
Start	119	End	708
Name	OJ990513_07.9A21.C83.o1.np	Method	AAT/NAP
Start	119	End	708
GI	6498436	Score	719
Exons	119..708		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	1123	Seq. ID	OJ990513_07.9A21.C83
Gene No.	2339	Strand	-
Start	119	End	708
Name	OJ990513_07.9A21.C83.o1.gs	Method	GENSCAN
Start	315	End	542
GI	none	Score	.54
Exons	315..542		

Seq. No.	1124	Seq. ID	OJ990513_07.9A21.C84
Gene No.	2340	Strand	-
Start	347	End	562
Name	OJ990513_07.9A21.C84.o1.np	Method	AAT/NAP
Start	347	End	562
GI	6815052	Score	130
Exons	347..562		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	1125	Seq. ID	OJ990513_07.9A21.C86
Gene No.	2341	Strand	-
Start	136	End	226
Name	OJ990513_07.9A21.C86.o1.gs	Method	GENSCAN
Start	136	End	226
GI	none	Score	.57
Exons	136..226		

Seq. No.	1126	Seq. ID	OJ990513_07.9A21.C88
Gene No.	2342	Strand	+
Start	292	End	562
Name	OJ990513_07.9A21.C88.o1.gs	Method	GENSCAN
Start	292	End	562
GI	none	Score	.92

Exons 292..562

Seq. No.	1127	Seq. ID	OJ990513_07.9A21.C92
Gene No.	2343	Strand	
Start	314	End	890
Name	OJ990513_07.9A21.C92.ol.tc	Method	TBLASTX:Cress
Start	314	End	890
GI	none	Score	82
Exons	314..424, 345..443, 432..650, 462..635, 648..695, 659..694, 806..886, 831..890		

Seq. No.	1128	Seq. ID	OJ990513_07.9A21.C93
Gene No.	2344	Strand	-
Start	99	End	492
Name	OJ990513_07.9A21.C93.ol.gs	Method	GENSCAN
Start	99	End	492
GI	none	Score	.46
Exons	99..492		

Seq. No.	1129	Seq. ID	OJ990513_07.9A21.C96
Gene No.	2345	Strand	+
Start	1	End	214
Name	OJ990513_07.9A21.C96.ol.np	Method	AAT/NAP
Start	1	End	214
GI	4218120	Score	156
Exons	1..214		
GI Descrip.	(AL035353) Proline-rich APG-like protein [Arabidopsis thaliana]		

Seq. No.	1129	Seq. ID	OJ990513_07.9A21.C96
Gene No.	2345	Strand	+
Start	1	End	214
Name	OJ990513_07.9A21.C96.ol.tm	Method	TBLASTX:Maize
Start	29	End	175
GI	none	Score	228
Exons	29..175, 31..174		

Seq. No.	1129	Seq. ID	OJ990513_07.9A21.C96
Gene No.	2345	Strand	+
Start	1	End	214
Name	OJ990513_07.9A21.C96.ol.gs	Method	GENSCAN
Start	45	End	172
GI	none	Score	.54
Exons	45..172		

Seq. No.	1129	Seq. ID	OJ990513_07.9A21.C96
Gene No.	2345	Strand	+
Start	1	End	214
Name	OJ990513_07.9A21.C96.ol.tc	Method	TBLASTX:Cress
Start	46	End	175
GI	none	Score	179
Exons	46..171, 47..175		

Seq. No.	1129	Seq. ID	OJ990513_07.9A21.C96
Gene No.	2345	Strand	+
Start	1	End	214
Name	OJ990513_07.9A21.C96.ol.ts	Method	TBLASTX:Soybean
Start	47	End	175

GI	none	Score	195
Exons	47..175, 55..174		
Seq. No.	1130	Seq. ID	OJ990513_07.9A21.C97
Gene No.	2346	Strand	+
Start	83	End	344
Name	OJ990513_07.9A21.C97.o1.gs	Method	GENSCAN
Start	83	End	344
GI	none	Score	.51
Exons	83..344		
Seq. No.	1130	Seq. ID	OJ990513_07.9A21.C97
Gene No.	2347	Strand	-
Start	588	End	800
Name	OJ990513_07.9A21.C97.o2.gs	Method	GENSCAN
Start	588	End	800
GI	none	Score	.91
Exons	588..800		
Seq. No.	1131	Seq. ID	OJ990513_07.9A21.C98
Gene No.	2348	Strand	+
Start	53	End	219
Name	OJ990513_07.9A21.C98.o1.gs	Method	GENSCAN
Start	53	End	219
GI	none	Score	.77
Exons	53..219		
Seq. No.	1132	Seq. ID	OJ990513_07.9A21.C101
Gene No.	2349	Strand	-
Start	388	End	747
Name	OJ990513_07.9A21.C101.o1.gs	Method	GENSCAN
Start	388	End	747
GI	none	Score	.95
Exons	388..747		
Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2350	Strand	+
Start	1	End	1258
Name	OJ990513_07.9A21.C102.o1.np	Method	AAT/NAP
Start	1	End	1258
GI	2443320	Score	1892
Exons	1..1258		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		
Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2351	Strand	+
Start	3599	End	9643
Name	OJ990513_07.9A21.C102.o2.np	Method	AAT/NAP
Start	3599	End	9643
GI	5922631	Score	6436
Exons	3599..3723, 3982..4226, 4485..4688, 4734..5297, 5340..5490, 5617..6543, 7150..9643		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu-1. (AF049110) [Oryza sativa] gi 6016864 dbj BAA85207.1 (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the		

predicted gene.; Similar to prpol; Zea mays retrotransposon
Cinful-1. (AF049110) [Oryza sativ

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o5.tm	Method	TBLASTX:Maize
Start	2	End	410
GI	none	Score	254
Exons	2..97, 3..410		

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o1.tw	Method	TBLASTX:Wheat
Start	3	End	659
GI	none	Score	261
Exons	3..212, 7..219, 8..205, 195..659, 203..658		

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o2.ts	Method	TBLASTX:Soybean
Start	630	End	983
GI	none	Score	221
Exons	630..983, 824..931		

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o4.tm	Method	TBLASTX:Maize
Start	636	End	1201
GI	none	Score	197
Exons	636..977, 1028..1201		

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o2.tw	Method	TBLASTX:Wheat
Start	732	End	1219
GI	none	Score	344
Exons	732..1031, 737..1021, 1027..1218, 1034..1219		

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o9.tw	Method	TBLASTX:Wheat
Start	4901	End	5303
GI	none	Score	297
Exons	4901..5005, 4902..5303		

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o7.tw	Method	TBLASTX:Wheat
Start	5883	End	6340
GI	none	Score	136

Exons 5883..6059, 6104..6193, 6108..6338, 6114..6281, 6221..6340

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o3.tw	Method	TBLASTX:Wheat
Start	6560	End	7016
GI	none	Score	473
Exons	6560..7015, 6561..7016		

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o3.ts	Method	TBLASTX:Soybean
Start	6609	End	6965
GI	none	Score	125
Exons	6609..6824, 6831..6965		

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o2.tm	Method	TBLASTX:Maize
Start	6690	End	7046
GI	none	Score	376
Exons	6690..7046, 6731..7036		

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o5.tw	Method	TBLASTX:Wheat
Start	7131	End	7555
GI	none	Score	405
Exons	7131..7550, 7175..7555		

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o1.ts	Method	TBLASTX:Soybean
Start	7209	End	7550
GI	none	Score	253
Exons	7209..7550, 7226..7369, 7242..7523, 7406..7549		

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o3.tm	Method	TBLASTX:Maize
Start	7277	End	7719
GI	none	Score	266
Exons	7277..7531, 7278..7532, 7558..7695, 7693..7719		

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o8.tw	Method	TBLASTX:Wheat
Start	7716	End	8108
GI	none	Score	234
Exons	7716..7922, 7717..7947, 7977..8108, 7978..8106		

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o10.tw	Method	TBLASTX:Wheat
Start	8111	End	8389
GI	none	Score	272
Exons	8111..8389, 8116..8238		

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o1.tm	Method	TBLASTX:Maize
Start	8550	End	8914
GI	none	Score	81
Exons	8550..8810, 8552..8875, 8572..8862, 8867..8914		

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o6.tw	Method	TBLASTX:Wheat
Start	8561	End	8946
GI	none	Score	380
Exons	8561..8944, 8566..8868, 8899..8946		

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o4.tw	Method	TBLASTX:Wheat
Start	9059	End	9667
GI	none	Score	439
Exons	9059..9667, 9079..9141, 9214..9351		

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o6.tm	Method	TBLASTX:Maize
Start	9383	End	9628
GI	none	Score	130
Exons	9383..9523, 9427..9516, 9526..9627, 9527..9628		

Seq. No.	1133	Seq. ID	OJ990513_07.9A21.C102
Gene No.	2352	Strand	-
Start	9497	End	9667
Name	OJ990513_07.9A21.C102.o3.gs	Method	GENSCAN
Start	9497	End	9658
GI	none	Score	.89
Exons	9497..9514, 9605..9658		

Seq. No.	1134	Seq. ID	OJ990513_07.9A21.C103
Gene No.	2353	Strand	-
Start	1	End	16123
Name	OJ990513_07.9A21.C103.o1.np	Method	AAT/NAP
Start	1	End	2740
GI	6691716	Score	2398
Exons	1..262, 336..450, 599..700, 775..962, 1040..1219, 1296..1397, 1481..1676, 1865..2740		

GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein
[Oryza sativa]

Seq. No.	1134	Seq. ID	OJ990513_07.9A21.C103
Gene No.	2353	Strand	-
Start	1	End	16123
Name	OJ990513_07.9A21.C103.o2.np	Method	AAT/NAP
Start	1	End	15927
GI	5032266	Score	167
Exons	1..37, 15667..15927		
GI Descrip.	(AF147265) similar to Arabidopsis thaliana putative En/Spm transposon protein (GB:AC005396)		

Seq. No.	1134	Seq. ID	OJ990513_07.9A21.C103
Gene No.	2353	Strand	-
Start	1	End	16123
Name	OJ990513_07.9A21.C103.o1.gs	Method	GENSCAN
Start	515	End	2740
GI	none	Score	.8
Exons	515..754, 775..1003, 1099..1326, 1481..1800, 1889..2740		

Seq. No.	1134	Seq. ID	OJ990513_07.9A21.C103
Gene No.	2353	Strand	-
Start	1	End	16123
Name	OJ990513_07.9A21.C103.o1.tw	Method	TBLASTX:Wheat
Start	2330	End	2620
GI	none	Score	204
Exons	2330..2620		

Seq. No.	1134	Seq. ID	OJ990513_07.9A21.C103
Gene No.	2353	Strand	-
Start	1	End	16123
Name	OJ990513_07.9A21.C103.o2.gs	Method	GENSCAN
Start	3644	End	4378
GI	none	Score	.45
Exons	3644..3753, 4354..4378		

Seq. No.	1134	Seq. ID	OJ990513_07.9A21.C103
Gene No.	2353	Strand	-
Start	1	End	16123
Name	OJ990513_07.9A21.C103.o3.gs	Method	GENSCAN
Start	8023	End	10189
GI	none	Score	.94
Exons	8023..8211, 8631..8741, 9128..9216, 10069..10189		

Seq. No.	1134	Seq. ID	OJ990513_07.9A21.C103
Gene No.	2353	Strand	-
Start	1	End	16123
Name	OJ990513_07.9A21.C103.o4.gs	Method	GENSCAN
Start	12052	End	16123
GI	none	Score	.56
Exons	12052..12167, 12220..12381, 13195..13311, 15009..15119, 15131..15247, 15252..15524, 15949..16123		

Seq. No.	1134	Seq. ID	OJ990513_07.9A21.C103
Gene No.	2353	Strand	-

Start	1	End	16123
Name	OJ990513_07.9A21.C103.ol.ts	Method	TBLASTX:Soybean
Start	15668	End	15937
GI	none	Score	235
Exons	15668..15937		
Seq. No.	1135	Seq. ID	OJ990513_07.9A21.C105
Gene No.	2354	Strand	+
Start	2223	End	2558
Name	OJ990513_07.9A21.C105.ol.np	Method	AAT/NAP
Start	2223	End	2558
GI	2370459	Score	248
Exons	2223..2558		
GI Descrip.	(Y11987) FPF1 protein [Sinapis alba]		
Seq. No.	1135	Seq. ID	OJ990513_07.9A21.C105
Gene No.	2355	Strand	-
Start	2321	End	2999
Name	OJ990513_07.9A21.C105.ol.gp	Method	AAT/GAP
Start	2321	End	2999
GI	2138_1.R1084	Score	1297
Exons	2321..2999		
GI Descrip.	'2827533/emb CAA16541.1 1.0e-09 (AL021633) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	1135	Seq. ID	OJ990513_07.9A21.C105
Gene No.	2356	Strand	-
Start	5034	End	5991
Name	OJ990513_07.9A21.C105.ol.tm	Method	TBLASTX:Maize
Start	2223	End	2558
GI	none	Score	95
Exons	2223..2285, 2228..2281, 2334..2366, 2418..2558, 2420..2557		
Seq. No.	1135	Seq. ID	OJ990513_07.9A21.C105
Gene No.	2356	Strand	-
Start	5034	End	5991
Name	OJ990513_07.9A21.C105.ol.ts	Method	TBLASTX:Soybean
Start	2318	End	2573
GI	none	Score	41
Exons	2318..2353, 2334..2573, 2420..2572		
Seq. No.	1135	Seq. ID	OJ990513_07.9A21.C105
Gene No.	2356	Strand	-
Start	5034	End	5991
Name	OJ990513_07.9A21.C105.o2.np	Method	AAT/NAP
Start	5034	End	5991
GI	6907106	Score	240
Exons	5034..5267, 5307..5514, 5578..5991		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	1136	Seq. ID	OJ990513_07.9A21.C106
Gene No.	2357	Strand	+
Start	215	End	682
Name	OJ990513_07.9A21.C106.ol.gs	Method	GENSCAN
Start	215	End	682
GI	none	Score	.62

Exons 215..303, 669..682

Seq. No.	1137	Seq. ID	OJ990513_07.9A21.C109
Gene No.	2358	Strand	-
Start	19	End	363
Name	OJ990513_07.9A21.C109.o1.gs	Method	GENSCAN
Start	19	End	363
GI	none	Score	.93
Exons	19..171, 236..363		

Seq. No.	1138	Seq. ID	OJ990513_07.9A21.C110
Gene No.	2359	Strand	-
Start	1	End	596
Name	OJ990513_07.9A21.C110.o1.np	Method	AAT/NAP
Start	1	End	596
GI	6682236	Score	383
Exons	1..596		
GI Descrip.	(AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	1138	Seq. ID	OJ990513_07.9A21.C110
Gene No.	2359	Strand	-
Start	1	End	596
Name	OJ990513_07.9A21.C110.o1.gs	Method	GENSCAN
Start	27	End	543
GI	none	Score	1
Exons	27..543		

Seq. No.	1138	Seq. ID	OJ990513_07.9A21.C110
Gene No.	2359	Strand	-
Start	1	End	596
Name	OJ990513_07.9A21.C110.o1.ts	Method	TBLASTX:Soybean
Start	27	End	470
GI	none	Score	165
Exons	27..359, 31..357, 435..470		

Seq. No.	1138	Seq. ID	OJ990513_07.9A21.C110
Gene No.	2359	Strand	-
Start	1	End	596
Name	OJ990513_07.9A21.C110.o1.tm	Method	TBLASTX:Maize
Start	30	End	365
GI	none	Score	191
Exons	30..365, 31..351		

Seq. No.	1138	Seq. ID	OJ990513_07.9A21.C110
Gene No.	2359	Strand	-
Start	1	End	596
Name	OJ990513_07.9A21.C110.o1.tc	Method	TBLASTX:Cress
Start	168	End	494
GI	none	Score	60
Exons	168..365, 169..366, 384..494		

Seq. No.	1139	Seq. ID	OJ990513_07.9A21.C116
Gene No.	2360	Strand	+
Start	138	End	337
Name	OJ990513_07.9A21.C116.o1.gs	Method	GENSCAN
Start	138	End	337
GI	none	Score	.89

Exons 138..337

Seq. No.	1140	Seq. ID	OJ990513_07.9A21.C117
Gene No.	2361	Strand	+
Start	523	End	568
Name	OJ990513_07.9A21.C117.o1.gs	Method	GENSCAN
Start	523	End	568
GI	none	Score	.87
Exons	523..568		

Seq. No.	1140	Seq. ID	OJ990513_07.9A21.C117
Gene No.	2362	Strand	-
Start	250	End	413
Name	OJ990513_07.9A21.C117.o1.np	Method	AAT/NAP
Start	250	End	413
GI	6321710	Score	104
Exons	250..413		
GI Descrip.	Ygr271wp gi 1723776 sp P53327 YG5O_YEAST PUTATIVE HELICASE YGR271W gi 2131712 pir S64604 hypothetical protein YGR271w - yeast (Saccharomyces cerevisiae) gi 1323493 emb CAA97301 (Z73056) ORF YGR271w [Saccharomyces cerevisiae]		

Seq. No.	1141	Seq. ID	OJ990513_07.9A21.C118
Gene No.	2363	Strand	-
Start	91	End	396
Name	OJ990513_07.9A21.C118.o1.gs	Method	GENSCAN
Start	91	End	396
GI	none	Score	.97
Exons	91..396		

Seq. No.	1142	Seq. ID	OJ990513_07.9A21.C119
Gene No.	2364	Strand	+
Start	1072	End	4849
Name	OJ990513_07.9A21.C119.o1.gs	Method	GENSCAN
Start	1072	End	4849
GI	none	Score	.57
Exons	1072..1346, 1695..1726, 1767..1813, 4381..4463, 4717..4849		

Seq. No.	1142	Seq. ID	OJ990513_07.9A21.C119
Gene No.	2365	Strand	+
Start	11442	End	12033
Name	OJ990513_07.9A21.C119.o1.gp	Method	AAT/GAP
Start	11442	End	12033
GI	4879016	Score	857
Exons	11442..11548, 11571..12033		
GI Descrip.	6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	1142	Seq. ID	OJ990513_07.9A21.C119
Gene No.	2366	Strand	+
Start	12509	End	15586
Name	OJ990513_07.9A21.C119.o2.np	Method	AAT/NAP
Start	12509	End	14513
GI	1666236	Score	281
Exons	12509..13232, 14495..14513		
GI Descrip.	(U76261) unknown [Hordeum vulgare]		

Seq. No.	1142	Seq. ID	OJ990513_07.9A21.C119
Gene No.	2366	Strand	+
Start	12509	End	15586
Name	OJ990513_07.9A21.C119.o3.np	Method	AAT/NAP
Start	13875	End	15586
GI	2522230	Score	153
Exons	13875..14334, 15514..15586		
GI Descrip.	(AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	1142	Seq. ID	OJ990513_07.9A21.C119
Gene No.	2367	Strand	-
Start	1	End	10538
Name	OJ990513_07.9A21.C119.o1.np	Method	AAT/NAP
Start	1	End	10538
GI	5042447	Score	850
Exons	1..241, 6869..7097, 9907..10538		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	1142	Seq. ID	OJ990513_07.9A21.C119
Gene No.	2367	Strand	-
Start	1	End	10538
Name	OJ990513_07.9A21.C119.o2.gs	Method	GENSCAN
Start	6910	End	8047
GI	none	Score	.86
Exons	6910..7117, 8016..8047		

Seq. No.	1142	Seq. ID	OJ990513_07.9A21.C119
Gene No.	2367	Strand	-
Start	1	End	10538
Name	OJ990513_07.9A21.C119.o1.tw	Method	TBLASTX:Wheat
Start	9908	End	10270
GI	none	Score	88
Exons	9908..10270, 9912..10238		

Seq. No.	1142	Seq. ID	OJ990513_07.9A21.C119
Gene No.	2368	Strand	-
Start	12680	End	16878
Name	OJ990513_07.9A21.C119.o2.tw	Method	TBLASTX:Wheat
Start	12680	End	16878
GI	none	Score	107
Exons	12680..12796, 12812..12886, 12895..13026, 16525..16878		

Seq. No.	1142	Seq. ID	OJ990513_07.9A21.C119
Gene No.	2368	Strand	-
Start	12680	End	16878
Name	OJ990513_07.9A21.C119.o3.tw	Method	TBLASTX:Wheat
Start	13870	End	14271
GI	none	Score	116
Exons	13870..14049, 14092..14271, 14163..14270		

Seq. No.	1143	Seq. ID	OJ990513_07.9A21.C120
Gene No.	2369	Strand	+
Start	216	End	1028
Name	OJ990513_07.9A21.C120.o1.gs	Method	GENSCAN
Start	216	End	1028

GI	none	Score	.54
Exons	216..517, 1010..1028		
Seq. No.	1144	Seq. ID	OJ990513_07.9A21.C121
Gene No.	2370	Strand	+
Start	107	End	278
Name	OJ990513_07.9A21.C121.o1.gs	Method	GENSCAN
Start	107	End	278
GI	none	Score	.72
Exons	107..278		
Seq. No.	1145	Seq. ID	OJ990513_07.9A21.C124
Gene No.	2371	Strand	-
Start	1	End	392
Name	OJ990513_07.9A21.C124.o1.np	Method	AAT/NAP
Start	1	End	340
GI	3645898	Score	96
Exons	1..340		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		
Seq. No.	1145	Seq. ID	OJ990513_07.9A21.C124
Gene No.	2371	Strand	-
Start	1	End	392
Name	OJ990513_07.9A21.C124.o1.gs	Method	GENSCAN
Start	174	End	392
GI	none	Score	.65
Exons	174..392		
Seq. No.	1146	Seq. ID	OJ990503_01.9A29.C1
Gene No.	2372	Strand	+
Start	1	End	571
Name	OJ990503_01.9A29.C1.o1.np	Method	AAT/NAP
Start	1	End	571
GI	469508	Score	200
Exons	1..26, 190..571		
GI Descrip.	(D16455) endo-xyloglucan transferase [Glycine max]		
Seq. No.	1146	Seq. ID	OJ990503_01.9A29.C1
Gene No.	2372	Strand	+
Start	1	End	571
Name	OJ990503_01.9A29.C1.o1.gs	Method	GENSCAN
Start	190	End	514
GI	none	Score	.69
Exons	190..514		
Seq. No.	1147	Seq. ID	OJ990503_01.9A29.C3
Gene No.	2373	Strand	+
Start	2067	End	2439
Name	OJ990503_01.9A29.C3.o2.gs	Method	GENSCAN
Start	2067	End	2439
GI	none	Score	.67
Exons	2067..2169, 2270..2439		
Seq. No.	1147	Seq. ID	OJ990503_01.9A29.C3
Gene No.	2374	Strand	-
Start	480	End	1175

Name OJ990503_01.9A29.C3.o1.gs
 Start 480
 GI none
 Exons 480..685, 752..1175

Method GENSCAN
 End 1175
 Score .55

Seq. No. 1148
 Gene No. 2375
 Start 1
 Name OJ990503_01.9A29.C4.o1.np
 Start 1
 GI 6330235
 Exons 1..515
 GI Descrip. (AB033003) KIAA1177 protein [Homo sapiens]

Seq. ID OJ990503_01.9A29.C4
 Strand -
 End 515
 Method AAT/NAP
 End 515
 Score 265

Seq. No. 1148
 Gene No. 2375
 Start 1
 Name OJ990503_01.9A29.C4.o1.gs
 Start 12
 GI none
 Exons 12..425

Seq. ID OJ990503_01.9A29.C4
 Strand -
 End 515
 Method GENSCAN
 End 425
 Score .99

Seq. No. 1149
 Gene No. 2376
 Start 1
 Name OJ990503_01.9A29.C5.o1.np
 Start 1
 GI 5091543
 Exons 1..28, 130..210, 293..632
 GI Descrip. (AC007067) T10024.12 [Arabidopsis thaliana]

Seq. ID OJ990503_01.9A29.C5
 Strand -
 End 632
 Method AAT/NAP
 End 632
 Score 294

Seq. No. 1149
 Gene No. 2376
 Start 1
 Name OJ990503_01.9A29.C5.o1.ts
 Start 2
 GI none
 Exons 2..31, 128..211, 130..216, 279..389, 293..391, 462..530, 463..531, 467..529

Seq. ID OJ990503_01.9A29.C5
 Strand -
 End 632
 Method TBLASTX:Soybean
 End 531
 Score 75

Seq. No. 1149
 Gene No. 2376
 Start 1
 Name OJ990503_01.9A29.C5.o1.gs
 Start 130
 GI none
 Exons 130..210, 293..388, 466..570

Seq. ID OJ990503_01.9A29.C5
 Strand -
 End 632
 Method GENSCAN
 End 570
 Score .92

Seq. No. 1150
 Gene No. 2377
 Start 109
 Name OJ990503_01.9A29.C6.o1.gs
 Start 109
 GI none
 Exons 109..567

Seq. ID OJ990503_01.9A29.C6
 Strand +
 End 689
 Method GENSCAN
 End 567
 Score .63

Seq. No. 1150

Seq. ID OJ990503_01.9A29.C6

Gene No.	2377	Strand	+
Start	109	End	689
Name	OJ990503_01.9A29.C6.ol.np	Method	AAT/NAP
Start	170	End	689
GI	2335106	Score	166
Exons	170..525, 585..689		
GI Descrip.	(AC002339) putative salt-inducible protein [Arabidopsis thaliana]		

Seq. No.	1151	Seq. ID	OJ990503_01.9A29.C8
Gene No.	2378	Strand	-
Start	454	End	524
Name	OJ990503_01.9A29.C8.ol.gs	Method	GENSCAN
Start	454	End	524
GI	none	Score	.83
Exons	454..524		

Seq. No.	1152	Seq. ID	OJ990503_01.9A29.C9
Gene No.	2379	Strand	+
Start	1	End	530
Name	OJ990503_01.9A29.C9.ol.gp	Method	AAT/GAP
Start	1	End	302
GI	uC-osflcyp174b05b1	Score	584
Exons	1..302		
GI Descrip.	'2131358/pir S67760 2.0e-11 hypothetical protein YDL201w - yeast (Saccharomyces cerevisiae) >gi_1429356_emb_CAA67468_ (X99000) ORF D1075 [Saccharomyces cerevisiae] >gi_1431332_emb_CAA98779_ (Z74249) ORF YDL201w [Saccharomyces cerevisiae]'		

Seq. No.	1152	Seq. ID	OJ990503_01.9A29.C9
Gene No.	2379	Strand	+
Start	1	End	530
Name	OJ990503_01.9A29.C9.ol.np	Method	AAT/NAP
Start	37	End	530
GI	1418767	Score	188
Exons	37..371, 443..530		
GI Descrip.	(X96698) D1075-like [Homo sapiens]		

Seq. No.	1152	Seq. ID	OJ990503_01.9A29.C9
Gene No.	2379	Strand	+
Start	1	End	530
Name	OJ990503_01.9A29.C9.ol.gs	Method	GENSCAN
Start	47	End	367
GI	none	Score	.97
Exons	47..367		

Seq. No.	1152	Seq. ID	OJ990503_01.9A29.C9
Gene No.	2379	Strand	+
Start	1	End	530
Name	OJ990503_01.9A29.C9.ol.tm	Method	TBLASTX:Maize
Start	95	End	331
GI	none	Score	267
Exons	95..331, 100..276, 164..328		

Seq. No.	1152	Seq. ID	OJ990503_01.9A29.C9
Gene No.	2379	Strand	+

Start	1	End	530
Name	OJ990503_01.9A29.C9.o1.tc	Method	TBLASTX:Cress
Start	98	End	370
GI	none	Score	179
Exons	98..214, 100..195, 257..370, 313..369		

Seq. No.	1152	Seq. ID	OJ990503_01.9A29.C9
Gene No.	2379	Strand	+
Start	1	End	530
Name	OJ990503_01.9A29.C9.o1.ts	Method	TBLASTX:Soybean
Start	98	End	370
GI	none	Score	192
Exons	98..220, 100..222, 263..370, 313..369		

Seq. No.	1153	Seq. ID	OJ990503_01.9A29.C10
Gene No.	2380	Strand	+
Start	167	End	686
Name	OJ990503_01.9A29.C10.o1.np	Method	AAT/NAP
Start	167	End	557
GI	6069646	Score	201
Exons	167..557		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	1153	Seq. ID	OJ990503_01.9A29.C10
Gene No.	2380	Strand	+
Start	167	End	686
Name	OJ990503_01.9A29.C10.o1.tm	Method	TBLASTX:Maize
Start	180	End	686
GI	none	Score	304
Exons	180..686, 296..436, 479..577		

Seq. No.	1153	Seq. ID	OJ990503_01.9A29.C10
Gene No.	2380	Strand	+
Start	167	End	686
Name	OJ990503_01.9A29.C10.o1.gs	Method	GENSCAN
Start	303	End	485
GI	none	Score	.47
Exons	303..485		

Seq. No.	1153	Seq. ID	OJ990503_01.9A29.C10
Gene No.	2380	Strand	+
Start	167	End	686
Name	OJ990503_01.9A29.C10.o1.tw	Method	TBLASTX:Wheat
Start	390	End	686
GI	none	Score	229
Exons	390..686, 392..670		

Seq. No.	1154	Seq. ID	OJ990503_01.9A29.C11
Gene No.	2381	Strand	-
Start	250	End	412
Name	OJ990503_01.9A29.C11.o1.gs	Method	GENSCAN
Start	250	End	412
GI	none	Score	.67

Exons 250..412

Seq. No.	1155	Seq. ID	OJ990503_01.9A29.C12
Gene No.	2382	Strand	+
Start	248	End	277
Name	OJ990503_01.9A29.C12.ol.gs	Method	GENSCAN
Start	248	End	277
GI	none	Score	.95
Exons	248..277		

Seq. No.	1156	Seq. ID	OJ990503_01.9A29.C14
Gene No.	2383	Strand	+
Start	821	End	1285
Name	OJ990503_01.9A29.C14.ol.np	Method	AAT/NAP
Start	821	End	1285
GI	6580645	Score	74
Exons	821..1285		
GI Descrip.	(AL133469) putative secreted proline-rich protein [Streptomyces coelicolor A3(2)]		

Seq. No.	1157	Seq. ID	OJ990503_01.9A29.C15
Gene No.	2384	Strand	-
Start	1	End	618
Name	OJ990503_01.9A29.C15.ol.np	Method	AAT/NAP
Start	1	End	618
GI	4741199	Score	356
Exons	1..618		
GI Descrip.	(AL049746) putative protein [Arabidopsis thaliana]		

Seq. No.	1157	Seq. ID	OJ990503_01.9A29.C15
Gene No.	2384	Strand	-
Start	1	End	618
Name	OJ990503_01.9A29.C15.ol.gs	Method	GENSCAN
Start	11	End	531
GI	none	Score	.5
Exons	11..531		

Seq. No.	1158	Seq. ID	OJ990503_01.9A29.C16
Gene No.	2385	Strand	+
Start	1	End	642
Name	OJ990503_01.9A29.C16.ol.np	Method	AAT/NAP
Start	1	End	642
GI	5441880	Score	517
Exons	1..80, 171..302, 418..642		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	1158	Seq. ID	OJ990503_01.9A29.C16
Gene No.	2385	Strand	+
Start	1	End	642
Name	OJ990503_01.9A29.C16.ol.gs	Method	GENSCAN
Start	171	End	615
GI	none	Score	.85
Exons	171..302, 366..413, 418..615		

Seq. No.	1159	Seq. ID	OJ990503_01.9A29.C19
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Gene No. 2386
 Start 52
 Name OJ990503_01.9A29.C19.o1.gs
 Start 52
 GI none
 Exons 52...482

Strand +
 End 482
 Method GENSCAN
 End 482
 Score .59

Seq. No. 1160
 Gene No. 2387
 Start 659
 Name OJ990503_01.9A29.C20.o1.gs
 Start 659
 GI none
 Exons 659..1105

Seq. ID OJ990503_01.9A29.C20
 Strand -
 End 1105
 Method GENSCAN
 End 1105
 Score .98

Seq. No. 1161
 Gene No. 2388
 Start 1443
 Name OJ990503_01.9A29.C24.o1.gs
 Start 1443
 GI none
 Exons 1443..1594, 1859..1982

Seq. ID OJ990503_01.9A29.C24
 Strand +
 End 2103
 Method GENSCAN
 End 1982
 Score .97

Seq. No. 1161
 Gene No. 2388
 Start 1443
 Name OJ990503_01.9A29.C24.o1.tm
 Start 1451
 GI none
 Exons 1451..1504, 1452..1505, 1484..1585, 1491..1586, 1517..1597, 1527..1595, 1841..1987, 1855..1980, 1857..1982, 2053..2100, 2054..2098, 2070..2102

Seq. ID OJ990503_01.9A29.C24
 Strand +
 End 2103
 Method TBLASTX:Maize
 End 2102
 Score 74

Seq. No. 1161
 Gene No. 2388
 Start 1443
 Name OJ990503_01.9A29.C24.o1.np
 Start 1458
 GI 2829865
 Exons 1458..1594, 1859..1982, 2050..2103
 GI Descrip. (AC002396) N-terminal region similar to DNA-J proteins [Arabidopsis thaliana]

Seq. ID OJ990503_01.9A29.C24
 Strand +
 End 2103
 Method AAT/NAP
 End 2103
 Score 314

Seq. No. 1161
 Gene No. 2388
 Start 1443
 Name OJ990503_01.9A29.C24.o1.ts
 Start 1509
 GI none
 Exons 1509..1586, 1517..1603, 1841..1981, 1857..1982, 1860..1985, 1867..1989

Seq. ID OJ990503_01.9A29.C24
 Strand +
 End 2103
 Method TBLASTX:Soybean
 End 1989
 Score 115

Seq. No. 1162
 Gene No. 2389
 Start 63
 Name OJ990503_01.9A29.C27.o1.gs
 Start 63

Seq. ID OJ990503_01.9A29.C27
 Strand -
 End 363
 Method GENSCAN
 End 363

GI	none	Score	.52
Exons	63..182, 197..363		
Seq. No.	1163	Seq. ID	OJ990503_01.9A29.C28
Gene No.	2390	Strand	+
Start	7120	End	13211
Name	OJ990503_01.9A29.C28.o3.gs	Method	GENSCAN
Start	7120	End	12782
GI	none	Score	.71
Exons	7120..7347, 9467..9606, 10169..10504, 11610..11811, 12669..12782		

Seq. No.	1163	Seq. ID	OJ990503_01.9A29.C28
Gene No.	2390	Strand	+
Start	7120	End	13211
Name	OJ990503_01.9A29.C28.o2.np	Method	AAT/NAP
Start	10031	End	12752
GI	4544428	Score	340
Exons	10031..10133, 10468..10540, 11477..11512, 11610..11811, 12669..12752		

GI Descrip. (AC006955) unknown protein [Arabidopsis thaliana]

Seq. No.	1163	Seq. ID	OJ990503_01.9A29.C28
Gene No.	2390	Strand	+
Start	7120	End	13211
Name	OJ990503_01.9A29.C28.o1.gp	Method	AAT/GAP
Start	10304	End	13211
GI	4671_1.R1084	Score	1414
Exons	10304..10540, 11477..11512, 11610..11811, 12669..12747, 12838..12955, 13050..13211		
GI Descrip.	'4544428/gb AAD22337.1 AC006955_23 7.0e-33 (AC006955) unknown protein [Arabidopsis thaliana]'		

Seq. No.	1163	Seq. ID	OJ990503_01.9A29.C28
Gene No.	2391	Strand	-
Start	217	End	6307
Name	OJ990503_01.9A29.C28.o1.gs	Method	GENSCAN
Start	217	End	5043
GI	none	Score	.48
Exons	217..3429, 3634..4332, 4450..5043		

Seq. No.	1163	Seq. ID	OJ990503_01.9A29.C28
Gene No.	2391	Strand	-
Start	217	End	6307
Name	OJ990503_01.9A29.C28.o1.np	Method	AAT/NAP
Start	336	End	6307
GI	6466937	Score	2403
Exons	336..4154, 4182..4638, 6277..6307		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	1163	Seq. ID	OJ990503_01.9A29.C28
Gene No.	2391	Strand	-
Start	217	End	6307
Name	OJ990503_01.9A29.C28.o4.tm	Method	TBLASTX:Maize
Start	412	End	1008
GI	none	Score	112
Exons	412..630, 412..1008, 698..880, 703..1002		

Seq. No. 1163
 Gene No. 2391
 Start 217
 Name OJ990503_01.9A29.C28.o5.tw
 Start 671
 GI none
 Exons 671..835, 682..846

Seq. ID OJ990503_01.9A29.C28
 Strand -
 End 6307
 Method TBLASTX:Wheat
 End 846
 Score 81

Seq. No. 1163
 Gene No. 2391
 Start 217
 Name OJ990503_01.9A29.C28.o4.tw
 Start 847
 GI none
 Exons 847..969, 1026..1319, 1039..1326, 1045..1431, 1052..1339

Seq. ID OJ990503_01.9A29.C28
 Strand -
 End 6307
 Method TBLASTX:Wheat
 End 1431
 Score 88

Seq. No. 1163
 Gene No. 2391
 Start 217
 Name OJ990503_01.9A29.C28.o1.tm
 Start 1051
 GI none
 Exons 1051..1686, 1052..1684

Seq. ID OJ990503_01.9A29.C28
 Strand -
 End 6307
 Method TBLASTX:Maize
 End 1686
 Score 473

Seq. No. 1163
 Gene No. 2391
 Start 217
 Name OJ990503_01.9A29.C28.o1.ts
 Start 1279
 GI none
 Exons 1279..1662, 1280..1648

Seq. ID OJ990503_01.9A29.C28
 Strand -
 End 6307
 Method TBLASTX:Soybean
 End 1662
 Score 185

Seq. No. 1163
 Gene No. 2391
 Start 217
 Name OJ990503_01.9A29.C28.o2.tw
 Start 1519
 GI none
 Exons 1519..1923, 1520..1573, 1673..1786

Seq. ID OJ990503_01.9A29.C28
 Strand -
 End 6307
 Method TBLASTX:Wheat
 End 1923
 Score 53

Seq. No. 1163
 Gene No. 2391
 Start 217
 Name OJ990503_01.9A29.C28.o6.tm
 Start 1687
 GI none
 Exons 1687..1926, 1936..2112, 1943..2110, 1972..2112

Seq. ID OJ990503_01.9A29.C28
 Strand -
 End 6307
 Method TBLASTX:Maize
 End 2112
 Score 133

Seq. No. 1163
 Gene No. 2391
 Start 217
 Name OJ990503_01.9A29.C28.o5.ts
 Start 2098
 GI none
 Exons 2098..2352, 2204..2320

Seq. ID OJ990503_01.9A29.C28
 Strand -
 End 6307
 Method TBLASTX:Soybean
 End 2352
 Score 75

Seq. No.	1163	Seq. ID	OJ990503_01.9A29.C28
Gene No.	2391	Strand	-
Start	217	End	6307
Name	OJ990503_01.9A29.C28.o3.tm	Method	TBLASTX:Maize
Start	2113	End	2634
GI	none	Score	155
Exons	2113..2607, 2113..2634, 2123..2632		

Seq. No.	1163	Seq. ID	OJ990503_01.9A29.C28
Gene No.	2391	Strand	-
Start	217	End	6307
Name	OJ990503_01.9A29.C28.o3.tw	Method	TBLASTX:Wheat
Start	2263	End	2664
GI	none	Score	57
Exons	2263..2664, 2326..2529		

Seq. No.	1163	Seq. ID	OJ990503_01.9A29.C28
Gene No.	2391	Strand	-
Start	217	End	6307
Name	OJ990503_01.9A29.C28.o2.ts	Method	TBLASTX:Soybean
Start	2377	End	2749
GI	none	Score	119
Exons	2377..2736, 2390..2749		

Seq. No.	1163	Seq. ID	OJ990503_01.9A29.C28
Gene No.	2391	Strand	-
Start	217	End	6307
Name	OJ990503_01.9A29.C28.o2.tm	Method	TBLASTX:Maize
Start	2659	End	3133
GI	none	Score	309
Exons	2659..3132, 2660..3133		

Seq. No.	1163	Seq. ID	OJ990503_01.9A29.C28
Gene No.	2391	Strand	-
Start	217	End	6307
Name	OJ990503_01.9A29.C28.o1.tw	Method	TBLASTX:Wheat
Start	2713	End	3196
GI	none	Score	195
Exons	2713..3195, 2717..3196		

Seq. No.	1163	Seq. ID	OJ990503_01.9A29.C28
Gene No.	2391	Strand	-
Start	217	End	6307
Name	OJ990503_01.9A29.C28.o4.ts	Method	TBLASTX:Soybean
Start	2845	End	3159
GI	none	Score	202
Exons	2845..3159		

Seq. No.	1163	Seq. ID	OJ990503_01.9A29.C28
Gene No.	2391	Strand	-
Start	217	End	6307
Name	OJ990503_01.9A29.C28.o7.tm	Method	TBLASTX:Maize
Start	3184	End	4017
GI	none	Score	131
Exons	3184..3288, 3409..3492, 3580..3822, 3874..4017		

Seq. No.	1163	Seq. ID	OJ990503_01.9A29.C28
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Gene No.	2391	Strand	-
Start	217	End	6307
Name	OJ990503_01.9A29.C28.o2.gs	Method	GENSCAN
Start	5448	End	6117
GI	none	Score	.88
Exons	5448..5649, 5817..5936, 5951..6117		

Seq. No.	1163	Seq. ID	OJ990503_01.9A29.C28
Gene No.	2392	Strand	
Start	11471	End	12950
Name	OJ990503_01.9A29.C28.o1.tc	Method	TBLASTX:Cress
Start	11471	End	12920
GI	none	Score	197
Exons	11471..11527, 11605..11757, 11613..11753, 11763..11813, 11767..11814, 12678..12743, 12834..12905, 12843..12920		

Seq. No.	1163	Seq. ID	OJ990503_01.9A29.C28
Gene No.	2392	Strand	
Start	11471	End	12950
Name	OJ990503_01.9A29.C28.o3.ts	Method	TBLASTX:Soybean
Start	11471	End	12911
GI	none	Score	57
Exons	11471..11515, 11475..11513, 11605..11817, 11611..11811, 11613..11813, 12666..12746, 12834..12908, 12839..12910, 12840..12911		

Seq. No.	1163	Seq. ID	OJ990503_01.9A29.C28
Gene No.	2392	Strand	
Start	11471	End	12950
Name	OJ990503_01.9A29.C28.o5.tm	Method	TBLASTX:Maize
Start	11471	End	11858
GI	none	Score	87
Exons	11471..11542, 11474..11560, 11475..11543, 11516..11719, 11551..11814, 11565..11813, 11566..11814, 11568..11816, 11820..11858, 11822..11857		

Seq. No.	1163	Seq. ID	OJ990503_01.9A29.C28
Gene No.	2392	Strand	
Start	11471	End	12950
Name	OJ990503_01.9A29.C28.o8.tm	Method	TBLASTX:Maize
Start	12664	End	12950
GI	none	Score	108
Exons	12664..12747, 12669..12746, 12669..12785, 12839..12949, 12839..12946, 12840..12950, 12840..12947		

Seq. No.	1164	Seq. ID	OJ990503_01.9A29.C29
Gene No.	2393	Strand	+
Start	126	End	704
Name	OJ990503_01.9A29.C29.o1.gs	Method	GENSCAN
Start	126	End	704
GI	none	Score	.97
Exons	126..704		

Seq. No.	1164	Seq. ID	OJ990503_01.9A29.C29
Gene No.	2394	Strand	-
Start	1	End	617
Name	OJ990503_01.9A29.C29.o1.np	Method	AAT/NAP

Start	1	End	617
GI	4741199	Score	125
Exons	1..95, 287..617		
GI Descrip.	(AL049746) putative protein [Arabidopsis thaliana]		

Seq. No.	1165	Seq. ID	OJ990503_01.9A29.C30
Gene No.	2395	Strand	+
Start	316	End	642
Name	OJ990503_01.9A29.C30.ol.gs	Method	GENSCAN
Start	316	End	642
GI	none	Score	.72
Exons	316..642		

Seq. No.	1165	Seq. ID	OJ990503_01.9A29.C30
Gene No.	2396	Strand	-
Start	1	End	434
Name	OJ990503_01.9A29.C30.ol.np	Method	AAT/NAP
Start	1	End	434
GI	4741199	Score	178
Exons	1..434		
GI Descrip.	(AL049746) putative protein [Arabidopsis thaliana]		

Seq. No.	1166	Seq. ID	OJ990503_01.9A29.C31
Gene No.	2397	Strand	+
Start	306	End	517
Name	OJ990503_01.9A29.C31.ol.gs	Method	GENSCAN
Start	306	End	517
GI	none	Score	.81
Exons	306..517		

Seq. No.	1167	Seq. ID	OJ990503_01.9A29.C32
Gene No.	2398	Strand	-
Start	1021	End	1250
Name	OJ990503_01.9A29.C32.ol.np	Method	AAT/NAP
Start	542	End	1250
GI	5852093	Score	74
Exons	542..658, 1223..1250		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	1167	Seq. ID	OJ990503_01.9A29.C32
Gene No.	2398	Strand	-
Start	1021	End	1250
Name	OJ990503_01.9A29.C32.ol.gs	Method	GENSCAN
Start	1021	End	1142
GI	none	Score	.98
Exons	1021..1142		

Seq. No.	1168	Seq. ID	OJ990503_01.9A29.C33
Gene No.	2399	Strand	+
Start	255	End	2976
Name	OJ990503_01.9A29.C33.ol.ts	Method	TBLASTX:Soybean
Start	237	End	741
GI	none	Score	196
Exons	237..377, 253..378, 256..381, 263..385, 443..523, 618..719, 625..741		

Seq. No.	1168	Seq. ID	OJ990503_01.9A29.C33
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Gene No.	2399	Strand	+
Start	255	End	2976
Name	OJ990503_01.9A29.C33.o2.tm	Method	TBLASTX:Maize
Start	237	End	648
GI	none	Score	178
Exons	237..383, 251..376, 252..377, 253..378, 449..532, 450..524, 466..525, 624..644, 625..648		

Seq. No.	1168	Seq. ID	OJ990503_01.9A29.C33
Gene No.	2399	Strand	+
Start	255	End	2976
Name	OJ990503_01.9A29.C33.o1.tc	Method	TBLASTX:Cress
Start	252	End	2962
GI	none	Score	166
Exons	252..377, 253..378, 263..379, 443..526, 481..528, 621..740, 625..741, 816..929, 818..946, 819..932, 1780..1839, 2281..2352, 2285..2362, 2461..2568, 2462..2578, 2643..2786, 2644..2793, 2886..2957, 2891..2962		

Seq. No.	1168	Seq. ID	OJ990503_01.9A29.C33
Gene No.	2399	Strand	+
Start	255	End	2976
Name	OJ990503_01.9A29.C33.o1.np	Method	AAT/NAP
Start	255	End	2976
GI	4249662	Score	703
Exons	255..378, 446..528, 627..738, 825..929, 1789..1839, 2288..2361, 2443..2567, 2645..2793, 2889..2976		
GI Descrip.	(AF089810) Altered Response to Gravity [Arabidopsis thaliana] gi 6714354 gb AAF26045.1 AC015986_8 (AC015986) ARG1 protein (Altered Response to Gravity) [Arabidopsis thaliana]		

Seq. No.	1168	Seq. ID	OJ990503_01.9A29.C33
Gene No.	2399	Strand	+
Start	255	End	2976
Name	OJ990503_01.9A29.C33.o1.gs	Method	GENSCAN
Start	298	End	2793
GI	none	Score	.87
Exons	298..378, 446..528, 627..738, 1789..1839, 2288..2374, 2593..2793		

Seq. No.	1168	Seq. ID	OJ990503_01.9A29.C33
Gene No.	2399	Strand	+
Start	255	End	2976
Name	OJ990503_01.9A29.C33.o1.tm	Method	TBLASTX:Maize
Start	649	End	2945
GI	none	Score	119
Exons	649..741, 660..740, 821..928, 822..932, 1780..1839, 2284..2373, 2285..2380, 2285..2374, 2458..2568, 2459..2578, 2459..2593, 2628..2786, 2643..2795, 2644..2796, 2881..2943, 2886..2945, 2887..2940, 2888..2941		

Seq. No.	1168	Seq. ID	OJ990503_01.9A29.C33
Gene No.	2399	Strand	+
Start	255	End	2976
Name	OJ990503_01.9A29.C33.o2.ts	Method	TBLASTX:Soybean
Start	2285	End	2572
GI	none	Score	128
Exons	2285..2365, 2285..2356, 2287..2361, 2461..2568, 2462..2572		

Seq. No.	1168	Seq. ID	OJ990503_01.9A29.C33
Gene No.	2399	Strand	+
Start	255	End	2976
Name	OJ990503_01.9A29.C33.ol.gp	Method	AAT/GAP
Start	2459	End	2976
GI	LIB3434-010-P1-K1-F1	Score	541
Exons	2459..2567, 2645..2794, 2889..2976		
GI Descrip.	'2829865 4.0e-41 (AC002396) N-terminal region similar to DNA-J proteins [Arabidopsis thaliana]'		

Seq. No.	1169	Seq. ID	OJ990503_01.9A29.C35
Gene No.	2400	Strand	+
Start	1	End	1510
Name	OJ990503_01.9A29.C35.ol.np	Method	AAT/NAP
Start	1	End	1510
GI	5441880	Score	534
Exons	1..25, 278..342, 601..915, 1442..1510		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	1169	Seq. ID	OJ990503_01.9A29.C35
Gene No.	2400	Strand	+
Start	1	End	1510
Name	OJ990503_01.9A29.C35.ol.gs	Method	GENSCAN
Start	7	End	1394
GI	none	Score	.54
Exons	7..539, 740..915, 938..1035, 1284..1394		

Seq. No.	1170	Seq. ID	OJ990503_01.9A29.C36
Gene No.	2401	Strand	+
Start	1	End	1207
Name	OJ990503_01.9A29.C36.ol.np	Method	AAT/NAP
Start	1	End	650
GI	5441880	Score	592
Exons	1..83, 173..300, 416..650		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	1170	Seq. ID	OJ990503_01.9A29.C36
Gene No.	2401	Strand	+
Start	1	End	1207
Name	OJ990503_01.9A29.C36.ol.gs	Method	GENSCAN
Start	169	End	956
GI	none	Score	.74
Exons	169..300, 364..411, 416..618, 769..956		

Seq. No.	1170	Seq. ID	OJ990503_01.9A29.C36
Gene No.	2401	Strand	+
Start	1	End	1207
Name	OJ990503_01.9A29.C36.ol.gp	Method	AAT/GAP
Start	754	End	1207
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	754..1207		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic		

DNA, chromosome 2, clone:P0437H03 (contig b)'

Seq. No.	1170	Seq. ID	OJ990503_01.9A29.C36
Gene No.	2402	Strand	-
Start	2037	End	3982
Name	OJ990503_01.9A29.C36.o2.np	Method	AAT/NAP
Start	2037	End	3982
GI	6330235	Score	1343
Exons	2037..3982		
GI Descrip.	(AB033003) KIAA1177 protein [Homo sapiens]		

Seq. No.	1170	Seq. ID	OJ990503_01.9A29.C36
Gene No.	2403	Strand	-
Start	6397	End	7480
Name	OJ990503_01.9A29.C36.o2.tm	Method	TBLASTX:Maize
Start	2042	End	2654
GI	none	Score	59
Exons	2042..2134, 2064..2132, 2141..2260, 2142..2261, 2264..2593, 2265..2579, 2592..2654, 2594..2653		

Seq. No.	1170	Seq. ID	OJ990503_01.9A29.C36
Gene No.	2403	Strand	-
Start	6397	End	7480
Name	OJ990503_01.9A29.C36.o1.ts	Method	TBLASTX:Soybean
Start	2207	End	2530
GI	none	Score	135
Exons	2207..2260, 2264..2530, 2289..2528		

Seq. No.	1170	Seq. ID	OJ990503_01.9A29.C36
Gene No.	2403	Strand	-
Start	6397	End	7480
Name	OJ990503_01.9A29.C36.o1.tc	Method	TBLASTX:Cress
Start	2537	End	2911
GI	none	Score	90
Exons	2537..2848, 2541..2669, 2688..2858, 2816..2911		

Seq. No.	1170	Seq. ID	OJ990503_01.9A29.C36
Gene No.	2403	Strand	-
Start	6397	End	7480
Name	OJ990503_01.9A29.C36.o1.tm	Method	TBLASTX:Maize
Start	2765	End	3301
GI	none	Score	78
Exons	2765..2839, 2766..2858, 2816..3073, 2817..3074, 3077..3301, 3078..3206		

Seq. No.	1170	Seq. ID	OJ990503_01.9A29.C36
Gene No.	2403	Strand	-
Start	6397	End	7480
Name	OJ990503_01.9A29.C36.o2.tc	Method	TBLASTX:Cress
Start	3038	End	3307
GI	none	Score	178
Exons	3038..3073, 3077..3307		

Seq. No.	1170	Seq. ID	OJ990503_01.9A29.C36
Gene No.	2403	Strand	-
Start	6397	End	7480
Name	OJ990503_01.9A29.C36.o3.gs	Method	GENSCAN

Start 6397
 GI none
 Exons 6397..6461, 7165..7480

End 7480
 Score .78

Seq. No. 1171
 Gene No. 2404
 Start 558
 Name OJ990503_01.9A29.C37.o1.gs
 Start 558
 GI none
 Exons 558..694, 953..1004

Seq. ID OJ990503_01.9A29.C37
 Strand +
 End 1004
 Method GENSCAN
 End 1004
 Score .67

Seq. No. 1171
 Gene No. 2405
 Start 2199
 Name OJ990503_01.9A29.C37.o1.np
 Start 2119
 GI 4651204
 Exons 2119..2490
 GI Descrip. (AB026262) ring finger protein [Cicer arietinum]

Seq. ID OJ990503_01.9A29.C37
 Strand -
 End 4812
 Method AAT/NAP
 End 2490
 Score 131

Seq. No. 1171
 Gene No. 2405
 Start 2199
 Name OJ990503_01.9A29.C37.o2.gs
 Start 2199
 GI none
 Exons 2199..2924, 3335..3468, 3565..3632, 4176..4220, 4325..4344, 4503..4565, 4651..4812

Seq. ID OJ990503_01.9A29.C37
 Strand -
 End 4812
 Method GENSCAN
 End 4812
 Score .92

Seq. No. 1172
 Gene No. 2406
 Start 151
 Name OJ990503_01.9A29.C38.o1.gs
 Start 151
 GI none
 Exons 151..156, 221..256, 320..605, 1695..1750, 2726..3699, 4202..4379

Seq. ID OJ990503_01.9A29.C38
 Strand +
 End 4379
 Method GENSCAN
 End 4379
 Score .73

Seq. No. 1172
 Gene No. 2407
 Start 6040
 Name OJ990503_01.9A29.C38.o2.gs
 Start 6040
 GI none
 Exons 6040..6092, 7523..7595

Seq. ID OJ990503_01.9A29.C38
 Strand +
 End 7595
 Method GENSCAN
 End 7595
 Score .73

Seq. No. 1172
 Gene No. 2408
 Start 9281
 Name OJ990503_01.9A29.C38.o1.np
 Start 9281
 GI 4249380
 Exons 9281..9754, 10793..10859
 GI Descrip. (AC005966) ESTs gb|Z37637, gb|AA042498 and gb|AA042269 come from this gene. [Arabidopsis thaliana]

Seq. ID OJ990503_01.9A29.C38
 Strand +
 End 10859
 Method AAT/NAP
 End 10859
 Score 254

Seq. No. 1172

Seq. ID OJ990503_01.9A29.C38

Gene No. 2408
 Start 9281
 Name OJ990503_01.9A29.C38.o3.gs
 Start 9281
 GI none
 Exons 9281..9850

Strand +
 End 10859
 Method GENSCAN
 End 9850
 Score .86

Seq. No. 1172
 Gene No. 2409
 Start 10768
 Name OJ990503_01.9A29.C38.o4.gs
 Start 10768
 GI none
 Exons 10768..11013

Seq. ID OJ990503_01.9A29.C38
 Strand +
 End 11264
 Method GENSCAN
 End 11013
 Score .89

Seq. No. 1172
 Gene No. 2409
 Start 10768
 Name OJ990503_01.9A29.C38.o1.gp
 Start 10771
 GI LIB3433-015-Q6-K6-C4
 Exons 10771..11264

Seq. ID OJ990503_01.9A29.C38
 Strand +
 End 11264
 Method AAT/GAP
 End 11264
 Score 956

GI Descrip. '5123950/emb|CAB45508.1| 1.0e-10 (AL079349) endoxyloglucan transferase-like protein [Arabidopsis thaliana]'

Seq. No. 1172
 Gene No. 2410
 Start 15045
 Name OJ990503_01.9A29.C38.o6.gs
 Start 15045
 GI none
 Exons 15045..15170, 15784..17253

Seq. ID OJ990503_01.9A29.C38
 Strand +
 End 17347
 Method GENSCAN
 End 17253
 Score .44

Seq. No. 1172
 Gene No. 2410
 Start 15045
 Name OJ990503_01.9A29.C38.o2.np
 Start 15720
 GI 6069646
 Exons 15720..16075, 16358..17347

Seq. ID OJ990503_01.9A29.C38
 Strand +
 End 17347
 Method AAT/NAP
 End 17347
 Score 612

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No. 1172
 Gene No. 2411
 Start 11280
 Name OJ990503_01.9A29.C38.o5.gs
 Start 11280
 GI none
 Exons 11280..11429, 12005..12309, 12353..12380, 12526..12778, 13215..13408

Seq. ID OJ990503_01.9A29.C38
 Strand -
 End 13408
 Method GENSCAN
 End 13408
 Score .79

Seq. No. 1172
 Gene No. 2412

Seq. ID OJ990503_01.9A29.C38
 Strand -

Start	15925	End	21996
Name	OJ990503_01.9A29.C38.o3.tm	Method	TBLASTX:Maize
Start	9278	End	9580
GI	none	Score	250
Exons	9278..9442, 9280..9417, 9347..9436, 9524..9580, 9524..9580		

Seq. No.	1172	Seq. ID	OJ990503_01.9A29.C38
Gene No.	2412	Strand	-
Start	15925	End	21996
Name	OJ990503_01.9A29.C38.o2.tc	Method	TBLASTX:Cress
Start	9280	End	9607
GI	none	Score	142
Exons	9280..9405, 9281..9415, 9523..9594, 9524..9607		

Seq. No.	1172	Seq. ID	OJ990503_01.9A29.C38
Gene No.	2412	Strand	-
Start	15925	End	21996
Name	OJ990503_01.9A29.C38.o2.ts	Method	TBLASTX:Soybean
Start	9280	End	9604
GI	none	Score	164
Exons	9280..9417, 9281..9415, 9524..9604		

Seq. No.	1172	Seq. ID	OJ990503_01.9A29.C38
Gene No.	2412	Strand	-
Start	15925	End	21996
Name	OJ990503_01.9A29.C38.o1.tm	Method	TBLASTX:Maize
Start	15721	End	16290
GI	none	Score	373
Exons	15721..16290, 15837..15977, 16020..16223		

Seq. No.	1172	Seq. ID	OJ990503_01.9A29.C38
Gene No.	2412	Strand	-
Start	15925	End	21996
Name	OJ990503_01.9A29.C38.o3.ts	Method	TBLASTX:Soybean
Start	15910	End	16449
GI	none	Score	161
Exons	15910..16260, 16267..16290, 16321..16449		

Seq. No.	1172	Seq. ID	OJ990503_01.9A29.C38
Gene No.	2412	Strand	-
Start	15925	End	21996
Name	OJ990503_01.9A29.C38.o3.np	Method	AAT/NAP
Start	15925	End	21519
GI	3915635	Score	320
Exons	15925..16015, 18172..18300, 18451..18593, 19663..19864, 19948..20046, 21411..21519		
GI Descrip.	CYCLIN DELTA-1 gi 2995130 emb CAA58285 (X83369) cyclin delta-1 [Arabidopsis thaliana]		

Seq. No.	1172	Seq. ID	OJ990503_01.9A29.C38
Gene No.	2412	Strand	-
Start	15925	End	21996
Name	OJ990503_01.9A29.C38.o1.tw	Method	TBLASTX:Wheat
Start	15931	End	16371
GI	none	Score	256
Exons	15931..16233, 15933..16223, 16213..16371, 16278..16367		

Seq. No. 1172
 Gene No. 2412
 Start 15925
 Name OJ990503_01.9A29.C38.o4.tm
 Start 16302
 GI none
 Exons 16302..16526, 16303..16527

Seq. ID OJ990503_01.9A29.C38
 Strand -
 End 21996
 Method TBLASTX:Maize
 End 16527
 Score 236

Seq. No. 1172
 Gene No. 2412
 Start 15925
 Name OJ990503_01.9A29.C38.o2.tm
 Start 16860
 GI none
 Exons 16860..17057, 16864..17139

Seq. ID OJ990503_01.9A29.C38
 Strand -
 End 21996
 Method TBLASTX:Maize
 End 17139
 Score 319

Seq. No. 1172
 Gene No. 2412
 Start 15925
 Name OJ990503_01.9A29.C38.o2.tw
 Start 16873
 GI none
 Exons 16873..17061, 17173..17220

Seq. ID OJ990503_01.9A29.C38
 Strand -
 End 21996
 Method TBLASTX:Wheat
 End 17220
 Score 171

Seq. No. 1172
 Gene No. 2412
 Start 15925
 Name OJ990503_01.9A29.C38.o7.gs
 Start 18139
 GI none
 Exons 18139..18300, 18451..18621, 19736..19864, 21411..21497, 21595..21996

Seq. ID OJ990503_01.9A29.C38
 Strand -
 End 21996
 Method GENSCAN
 End 21996
 Score .6

Seq. No. 1172
 Gene No. 2412
 Start 15925
 Name OJ990503_01.9A29.C38.o5.tm
 Start 18451
 GI none
 Exons 18451..18471, 18503..18592, 18503..18589, 18510..18596, 18520..18597, 18543..18590, 19631..19843, 19664..19843, 19668..19850

Seq. ID OJ990503_01.9A29.C38
 Strand -
 End 21996
 Method TBLASTX:Maize
 End 19850
 Score 80

Seq. No. 1172
 Gene No. 2412
 Start 15925
 Name OJ990503_01.9A29.C38.o1.tc
 Start 19667
 GI none
 Exons 19667..19867, 19719..19862, 19936..20037, 19946..20038, 21411..21512

Seq. ID OJ990503_01.9A29.C38
 Strand -
 End 21996
 Method TBLASTX:Cress
 End 21512
 Score 108

Seq. No. 1172
 Gene No. 2412
 Start 15925
 Name OJ990503_01.9A29.C38.o1.ts
 Start 19667

Seq. ID OJ990503_01.9A29.C38
 Strand -
 End 21996
 Method TBLASTX:Soybean
 End 21619

GI	none	Score	129
Exons	19667..19867, 19692..19865, 19945..20034, 19945..20046, 19949..20038, 21366..21428, 21399..21485, 21411..21512, 21584..21619, 21592..21618		

Seq. No.	1173	Seq. ID	OJ990503_01.9A29.C39
Gene No.	2413	Strand	+
Start	747	End	992
Name	OJ990503_01.9A29.C39.ol.gs	Method	GENSCAN
Start	747	End	992
GI	none	Score	.97
Exons	747..772, 890..992		

Seq. No.	1174	Seq. ID	OJ990503_01.9A29.C40
Gene No.	2414	Strand	+
Start	84	End	489
Name	OJ990503_01.9A29.C40.ol.gs	Method	GENSCAN
Start	84	End	489
GI	none	Score	.64
Exons	84..119, 442..489		

Seq. No.	1175	Seq. ID	OJ990503_01.9A29.C43
Gene No.	2415	Strand	+
Start	1	End	415
Name	OJ990503_01.9A29.C43.ol.gp	Method	AAT/GAP
Start	1	End	415
GI	4880017	Score	416
Exons	1..99, 263..415		
GI Descrip.	5123950/emb CAB45508.1 1.0e-10 (AL079349) endoxyloglucan transferase-like protein [Arabidopsis thaliana]		

Seq. No.	1175	Seq. ID	OJ990503_01.9A29.C43
Gene No.	2416	Strand	-
Start	1	End	463
Name	OJ990503_01.9A29.C43.ol.np	Method	AAT/NAP
Start	1	End	454
GI	5123949	Score	122
Exons	1..102, 247..454		
GI Descrip.	(AL079349) endoxyloglucan transferase-like protein [Arabidopsis thaliana]		

Seq. No.	1175	Seq. ID	OJ990503_01.9A29.C43
Gene No.	2416	Strand	-
Start	1	End	463
Name	OJ990503_01.9A29.C43.ol.gs	Method	GENSCAN
Start	13	End	463
GI	none	Score	.67
Exons	13..102, 247..463		

Seq. No.	1176	Seq. ID	OJ990503_01.9A29.C44
Gene No.	2417	Strand	+
Start	61	End	194
Name	OJ990503_01.9A29.C44.ol.gs	Method	GENSCAN
Start	61	End	194
GI	none	Score	.86
Exons	61..194		

Seq. No.	1177	Seq. ID	OJ990503_01.9A29.C45
Gene No.	2418	Strand	-
Start	747	End	909
Name	OJ990503_01.9A29.C45.o1.gs	Method	GENSCAN
Start	747	End	909
GI	none	Score	.64
Exons	747..909		

Seq. No.	1178	Seq. ID	OJ990503_01.9A29.C46
Gene No.	2419	Strand	+
Start	201	End	5302
Name	OJ990503_01.9A29.C46.o1.gs	Method	GENSCAN
Start	201	End	5270
GI	none	Score	.78
Exons	201..250, 993..1031, 3767..3956, 4058..4413, 4812..5270		

Seq. No.	1178	Seq. ID	OJ990503_01.9A29.C46
Gene No.	2419	Strand	+
Start	201	End	5302
Name	OJ990503_01.9A29.C46.o1.np	Method	AAT/NAP
Start	4120	End	5302
GI	6754682	Score	651
Exons	4120..4413, 4812..5302		
GI Descrip.	methyltransferase-like 1 (S. cerevisiae) gi 4512325 dbj BAA75230.1 (AB023619) methyltransferase related protein [Mus musculus]		

Seq. No.	1178	Seq. ID	OJ990503_01.9A29.C46
Gene No.	2420	Strand	+
Start	10685	End	12568
Name	OJ990503_01.9A29.C46.o3.gs	Method	GENSCAN
Start	10685	End	12568
GI	none	Score	.67
Exons	10685..10919, 11034..11201, 12342..12568		

Seq. No.	1178	Seq. ID	OJ990503_01.9A29.C46
Gene No.	2420	Strand	+
Start	10685	End	12568
Name	OJ990503_01.9A29.C46.o3.np	Method	AAT/NAP
Start	10853	End	12526
GI	732311	Score	158
Exons	10853..10919, 11034..11201, 12345..12526		
GI Descrip.	HYPOTHETICAL 15.7 KD PROTEIN IN PBPD-COMA INTERGENIC REGION (ORF2) gi 1075880 pir B55220 pbpD 3'-region hypothetical protein - Bacillus subtilis gi 520537 (U11882) unknown [Bacillus subtilis] gi 1934785 emb CAB07916 (Z93933) unknown [Bacillus subtilis] gi 2635646 emb CAB15139 (Z99120) alternate gene name: yugD [Bacillus subtilis]		

Seq. No.	1178	Seq. ID	OJ990503_01.9A29.C46
Gene No.	2421	Strand	-
Start	6139	End	8120
Name	OJ990503_01.9A29.C46.o2.tm	Method	TBLASTX:Maize
Start	4141	End	4347
GI	none	Score	303
Exons	4141..4347, 4146..4346		

Seq. No.	1178	Seq. ID	OJ990503_01.9A29.C46
Gene No.	2421	Strand	-
Start	6139	End	8120
Name	OJ990503_01.9A29.C46.o2.ts	Method	TBLASTX:Soybean
Start	4144	End	4940
GI	none	Score	192
Exons	4144..4266, 4146..4268, 4309..4416, 4359..4415, 4809..4835, 4835..4930, 4836..4940		

Seq. No.	1178	Seq. ID	OJ990503_01.9A29.C46
Gene No.	2421	Strand	-
Start	6139	End	8120
Name	OJ990503_01.9A29.C46.o3.tc	Method	TBLASTX:Cress
Start	4144	End	4910
GI	none	Score	179
Exons	4144..4260, 4146..4241, 4303..4416, 4359..4415, 4809..4859, 4848..4910		

Seq. No.	1178	Seq. ID	OJ990503_01.9A29.C46
Gene No.	2421	Strand	-
Start	6139	End	8120
Name	OJ990503_01.9A29.C46.o1.tm	Method	TBLASTX:Maize
Start	4348	End	5280
GI	none	Score	77
Exons	4348..4425, 4363..4416, 4809..5267, 4809..5258, 4814..5266, 5038..5280, 5167..5280		

Seq. No.	1178	Seq. ID	OJ990503_01.9A29.C46
Gene No.	2421	Strand	-
Start	6139	End	8120
Name	OJ990503_01.9A29.C46.o1.tc	Method	TBLASTX:Cress
Start	4973	End	5260
GI	none	Score	406
Exons	4973..5254, 4974..5258, 4974..5255, 5168..5260		

Seq. No.	1178	Seq. ID	OJ990503_01.9A29.C46
Gene No.	2421	Strand	-
Start	6139	End	8120
Name	OJ990503_01.9A29.C46.o2.gs	Method	GENSCAN
Start	6139	End	8120
GI	none	Score	.65
Exons	6139..6243, 6511..6609, 6700..6798, 7009..7107, 7270..7368, 7518..7597, 7724..8120		

Seq. No.	1178	Seq. ID	OJ990503_01.9A29.C46
Gene No.	2421	Strand	-
Start	6139	End	8120
Name	OJ990503_01.9A29.C46.o2.np	Method	AAT/NAP
Start	6145	End	7885
GI	5911312	Score	550
Exons	6145..6243, 6511..6609, 6700..6798, 7009..7107, 7270..7368, 7518..7597, 7727..7885		
GI Descrip.	(AF026167) ankyrin repeat protein EMB506 [Arabidopsis thaliana]		

Seq. No.	1178	Seq. ID	OJ990503_01.9A29.C46
Gene No.	2421	Strand	-
Start	6139	End	8120

Name	OJ990503_01.9A29.C46.o2.tc	Method	TBLASTX:Cress
Start	6157	End	6801
GI	none	Score	65
Exons	6157..6246, 6158..6244, 6509..6610, 6509..6604, 6511..6612, 6511..6609, 6697..6780, 6700..6801, 6740..6799		

Seq. No.	1178	Seq. ID	OJ990503_01.9A29.C46
Gene No.	2422	Strand	
Start	10865	End	11200
Name	OJ990503_01.9A29.C46.o1.ts	Method	TBLASTX:Soybean
Start	10865	End	11200
GI	none	Score	88
Exons	10865..10921, 10873..10923, 11002..11094, 11021..11200, 11023..11199		

Seq. No.	1179	Seq. ID	OJ990503_01.9A29.C47
Gene No.	2423	Strand	+
Start	3451	End	3717
Name	OJ990503_01.9A29.C47.o1.gp	Method	AAT/GAP
Start	3451	End	3717
GI	none	Score	504
Exons	3451..3717		

Seq. No.	1179	Seq. ID	OJ990503_01.9A29.C47
Gene No.	2424	Strand	-
Start	1	End	3139
Name	OJ990503_01.9A29.C47.o1.np	Method	AAT/NAP
Start	1	End	3139
GI	5091544	Score	652
Exons	1..131, 579..915, 1005..1067, 1405..1535, 1599..1726, 2232..2601, 2778..2939, 3027..3139		
GI Descrip.	(AC007067) T10024.13 [Arabidopsis thaliana]		

Seq. No.	1179	Seq. ID	OJ990503_01.9A29.C47
Gene No.	2425	Strand	-
Start	4095	End	4603
Name	OJ990503_01.9A29.C47.o2.gp	Method	AAT/GAP
Start	4095	End	4603
GI	uC-osflcyp032h03b1	Score	932
Exons	4095..4603		
GI Descrip.	'283442/pir A40215 5.0e-09 TcD antigen - Trypanosoma cruzi'		

Seq. No.	1179	Seq. ID	OJ990503_01.9A29.C47
Gene No.	2426	Strand	-
Start	7102	End	9393
Name	OJ990503_01.9A29.C47.o2.np	Method	AAT/NAP
Start	7102	End	9393
GI	4105772	Score	525
Exons	7102..7317, 7931..8031, 8292..8421, 9259..9393		
GI Descrip.	(AF049917) PGP9B [Petunia x hybrida]		

Seq. No.	1179	Seq. ID	OJ990503_01.9A29.C47
Gene No.	2427	Strand	-
Start	10668	End	16497
Name	OJ990503_01.9A29.C47.o4.tm	Method	TBLASTX:Maize
Start	3832	End	6099
GI	none	Score	86

Exons 3832..3999, 3877..4101, 3921..4097, 3921..4043, 3928..4161,
3951..4163, 3961..4221, 3985..4020, 3994..4221, 4021..4281,
4023..4277, 4024..4281, 4062..4106, 4084..4341, 4098..4301,
4138..4311, 4152..4316, 4158..4256, 4201..4422, 4203..4301,
4204..4422, 4224..4259, 4264..4491, 4324..4575, 4338..4481,
4339..4482, 4346..4480, 4362..4481, 5600..5773, 5875..6099

Seq. No. 1179 Seq. ID OJ990503_01.9A29.C47
Gene No. 2427 Strand -
Start 10668 End 16497
Name OJ990503_01.9A29.C47.o1.tm Method TBLASTX:Maize
Start 4682 End 5550
GI none Score 40
Exons 4682..4738, 4699..4866, 4704..4805, 4746..4856, 4774..5097,
4786..4833, 4807..5142, 4880..5047, 4897..5136, 5211..5231,
5269..5325, 5304..5369, 5334..5426, 5344..5430, 5437..5550,
5442..5549

Seq. No. 1179 Seq. ID OJ990503_01.9A29.C47
Gene No. 2427 Strand -
Start 10668 End 16497
Name OJ990503_01.9A29.C47.o2.tc Method TBLASTX:Cress
Start 7124 End 9387
GI none Score 92
Exons 7124..7327, 7129..7326, 7144..7296, 7922..8005, 7925..7990,
7929..8006, 8305..8418, 8320..8427, 8321..8428, 9256..9387,
9262..9387, 9263..9379

Seq. No. 1179 Seq. ID OJ990503_01.9A29.C47
Gene No. 2427 Strand -
Start 10668 End 16497
Name OJ990503_01.9A29.C47.o2.ts Method TBLASTX:Soybean
Start 7138 End 9387
GI none Score 66
Exons 7138..7284, 7142..7291, 7144..7296, 7153..7320, 7157..7327,
7920..8006, 7922..8005, 7925..7999, 8290..8418, 8305..8427,
8321..8428, 9256..9381, 9262..9387, 9263..9379

Seq. No. 1179 Seq. ID OJ990503_01.9A29.C47
Gene No. 2427 Strand -
Start 10668 End 16497
Name OJ990503_01.9A29.C47.o2.tm Method TBLASTX:Maize
Start 7171 End 9387
GI none Score 139
Exons 7171..7308, 7216..7320, 7217..7318, 7906..8004, 7922..8014,
7925..8017, 7929..8015, 8152..8187, 8302..8427, 8303..8422,
8322..8423, 9259..9387, 9260..9379, 9262..9381, 9278..9379

Seq. No. 1179 Seq. ID OJ990503_01.9A29.C47
Gene No. 2427 Strand -
Start 10668 End 16497
Name OJ990503_01.9A29.C47.o2.gs Method GENSCAN
Start 10668 End 16497
GI none Score .5
Exons 10668..10695, 10972..11176, 11201..11356, 11702..11756,
12273..12299, 12785..12985, 13000..13279, 14194..14583,
14883..15082, 15231..15331, 15476..15674, 16465..16497

Seq. No.	1179	Seq. ID	OJ990503_01.9A29.C47
Gene No.	2427	Strand	-
Start	10668	End	16497
Name	OJ990503_01.9A29.C47.o4.np	Method	AAT/NAP
Start	14178	End	15683
GI	5123949	Score	566
Exons	14178..14583, 14883..15064, 15219..15331, 15476..15683		
GI Descrip.	(AL079349) endoxyloglucan transferase-like protein [Arabidopsis thaliana]		

Seq. No.	1179	Seq. ID	OJ990503_01.9A29.C47
Gene No.	2427	Strand	-
Start	10668	End	16497
Name	OJ990503_01.9A29.C47.o3.tm	Method	TBLASTX:Maize
Start	14412	End	15335
GI	none	Score	77
Exons	14412..14510, 14419..14508, 14882..15052, 14895..15017, 15219..15335		

Seq. No.	1179	Seq. ID	OJ990503_01.9A29.C47
Gene No.	2427	Strand	-
Start	10668	End	16497
Name	OJ990503_01.9A29.C47.o1.tc	Method	TBLASTX:Cress
Start	14807	End	15061
GI	none	Score	78
Exons	14807..15061, 14880..15017		

Seq. No.	1179	Seq. ID	OJ990503_01.9A29.C47
Gene No.	2427	Strand	-
Start	10668	End	16497
Name	OJ990503_01.9A29.C47.o1.ts	Method	TBLASTX:Soybean
Start	14840	End	15052
GI	none	Score	92
Exons	14840..15052, 14877..15023		

Seq. No.	1179	Seq. ID	OJ990503_01.9A29.C47
Gene No.	2427	Strand	-
Start	10668	End	16497
Name	OJ990503_01.9A29.C47.o3.gp	Method	AAT/GAP
Start	14911	End	15644
GI	4880017	Score	696
Exons	14911..15082, 15231..15323, 15487..15644		
GI Descrip.	5123950/emb CAB45508.1 1.0e-10 (AL079349) endoxyloglucan transferase-like protein [Arabidopsis thaliana]		

Seq. No.	1180	Seq. ID	OJ990503_01.9A29.C48
Gene No.	2428	Strand	+
Start	302	End	420
Name	OJ990503_01.9A29.C48.o1.gp	Method	AAT/GAP
Start	302	End	420
GI	LIB3477-003-P1-K1-E9	Score	153
Exons	302..420		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No. 1180
Gene No. 2429
Start 1971
Name OJ990503_01.9A29.C48.o2.gp
Start 1971
GI none
Exons 1971..2160

Seq. ID OJ990503_01.9A29.C48
Strand +
End 2160
Method AAT/GAP
End 2160
Score 359

Seq. No. 1180
Gene No. 2430
Start 8144
Name OJ990503_01.9A29.C48.o2.gs
Start 8144
GI none
Exons 8144..8695, 9014..9178

Seq. ID OJ990503_01.9A29.C48
Strand +
End 9178
Method GENSCAN
End 9178
Score .85

Seq. No. 1180
Gene No. 2431
Start 13383
Name OJ990503_01.9A29.C48.o3.gp
Start 13383
GI 969000
Exons 13383..13639

Seq. ID OJ990503_01.9A29.C48
Strand +
End 13639
Method AAT/GAP
End 13639
Score 401

Seq. No. 1180
Gene No. 2432
Start 1342
Name OJ990503_01.9A29.C48.o1.gs
Start 1342
GI none
Exons 1342..1413, 2451..2552, 2654..2734, 2817..2912, 2990..3094, 3176..3250, 3900..3959, 4488..4618, 4703..4778, 5841..5987, 6316..6399, 6976..7113, 7261..7319, 7438..7564

Seq. ID OJ990503_01.9A29.C48
Strand -
End 8536
Method GENSCAN
End 7564
Score .91

Seq. No. 1180
Gene No. 2432
Start 1342
Name OJ990503_01.9A29.C48.o1.np
Start 2309
GI 5091543
Exons 2309..2374, 2451..2552, 2654..2734, 2817..3094, 3176..3250, 3900..4056, 4485..4618, 4703..4778, 5918..5987, 6247..6399, 6501..6575, 6976..7113, 7261..7319, 7438..7688, 8262..8536

Seq. ID OJ990503_01.9A29.C48
Strand -
End 8536
Method AAT/NAP
End 8536
Score 1221

GI Descrip. (AC007067) T10024.12 [Arabidopsis thaliana]

Seq. No. 1180
Gene No. 2433
Start 11190
Name OJ990503_01.9A29.C48.o2.np
Start 11190
GI 2245128
Exons 11190..12179
GI Descrip. (Z97344) peroxidase like protein [Arabidopsis thaliana]

Seq. ID OJ990503_01.9A29.C48
Strand -
End 12179
Method AAT/NAP
End 12179
Score 867

Seq. No. 1180
Gene No. 2434
Start 14143

Seq. ID OJ990503_01.9A29.C48
Strand -
End 14213

Name	OJ990503_01.9A29.C48.o3.tm	Method	TBLASTX:Maize
Start	2305	End	2696
GI	none	Score	84
Exons	2305..2376, 2324..2377, 2428..2505, 2445..2555, 2511..2552, 2654..2695, 2658..2696		

Seq. No.	1180	Seq. ID	OJ990503_01.9A29.C48
Gene No.	2434	Strand	-
Start	14143	End	14213
Name	OJ990503_01.9A29.C48.o2.ts	Method	TBLASTX:Soybean
Start	2317	End	3962
GI	none	Score	48
Exons	2317..2379, 2324..2377, 2449..2553, 2451..2555, 2452..2502, 2519..2557, 2652..2735, 2654..2740, 2803..2913, 2817..2915, 2986..3054, 2987..3055, 2991..3053, 2991..3056, 3900..3962		

Seq. No.	1180	Seq. ID	OJ990503_01.9A29.C48
Gene No.	2434	Strand	-
Start	14143	End	14213
Name	OJ990503_01.9A29.C48.o2.tm	Method	TBLASTX:Maize
Start	3912	End	4773
GI	none	Score	72
Exons	3912..3995, 4484..4621, 4488..4619, 4489..4623, 4671..4772, 4688..4768, 4701..4772, 4702..4773		

Seq. No.	1180	Seq. ID	OJ990503_01.9A29.C48
Gene No.	2434	Strand	-
Start	14143	End	14213
Name	OJ990503_01.9A29.C48.o1.tm	Method	TBLASTX:Maize
Start	11193	End	12021
GI	none	Score	110
Exons	11193..11531, 11194..11337, 11277..11393, 11401..11532, 11553..11777, 11560..11709, 11679..12020, 11736..11951, 11767..12021		

Seq. No.	1180	Seq. ID	OJ990503_01.9A29.C48
Gene No.	2434	Strand	-
Start	14143	End	14213
Name	OJ990503_01.9A29.C48.o1.tc	Method	TBLASTX:Cress
Start	11202	End	12110
GI	none	Score	47
Exons	11202..11444, 11478..11531, 11553..11921, 11767..11919, 11937..12110, 11965..12081		

Seq. No.	1180	Seq. ID	OJ990503_01.9A29.C48
Gene No.	2434	Strand	-
Start	14143	End	14213
Name	OJ990503_01.9A29.C48.o1.ts	Method	TBLASTX:Soybean
Start	11214	End	12110
GI	none	Score	78
Exons	11214..11465, 11484..11531, 11553..11834, 11569..11655, 11883..12110, 11884..12081		

Seq. No.	1180	Seq. ID	OJ990503_01.9A29.C48
Gene No.	2434	Strand	-
Start	14143	End	14213
Name	OJ990503_01.9A29.C48.o1.tw	Method	TBLASTX:Wheat

Start	11553	End	12104
GI	none	Score	68
Exons	11553..12104, 11569..11691, 11754..11900, 11767..12081		
Seq. No.	1180	Seq. ID	OJ990503_01.9A29.C48
Gene No.	2434	Strand	-
Start	14143	End	14213
Name	OJ990503_01.9A29.C48.o4.tm	Method	TBLASTX:Maize
Start	13891	End	14213
GI	none	Score	139
Exons	13891..14211, 13900..14034, 13910..14212, 14094..14213		
Seq. No.	1180	Seq. ID	OJ990503_01.9A29.C48
Gene No.	2434	Strand	-
Start	14143	End	14213
Name	OJ990503_01.9A29.C48.o4.gp	Method	AAT/GAP
Start	14143	End	14204
GI	LIB3434-010-P1-K1-F1	Score	93
Exons	14143..14204		
GI Descrip.	'2829865 4.0e-41 (AC002396) N-terminal region similar to DNA-J proteins [Arabidopsis thaliana]'		
Seq. No.	1181	Seq. ID	OJ990503_01.9A29.C49
Gene No.	2435	Strand	+
Start	581	End	748
Name	OJ990503_01.9A29.C49.o1.gs	Method	GENSCAN
Start	581	End	748
GI	none	Score	.48
Exons	581..748		
Seq. No.	1181	Seq. ID	OJ990503_01.9A29.C49
Gene No.	2436	Strand	-
Start	1023	End	1228
Name	OJ990503_01.9A29.C49.o1.np	Method	AAT/NAP
Start	1023	End	1228
GI	6539571	Score	60
Exons	1023..1228		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	1181	Seq. ID	OJ990503_01.9A29.C49
Gene No.	2437	Strand	-
Start	2678	End	2846
Name	OJ990503_01.9A29.C49.o2.gs	Method	GENSCAN
Start	2678	End	2846
GI	none	Score	.92
Exons	2678..2846		
Seq. No.	1182	Seq. ID	OJ990503_01.9A29.C50
Gene No.	2438	Strand	+
Start	1185	End	1526
Name	OJ990503_01.9A29.C50.o1.gs	Method	GENSCAN
Start	1185	End	1526
GI	none	Score	.4
Exons	1185..1526		
Seq. No.	1182	Seq. ID	OJ990503_01.9A29.C50
Gene No.	2439	Strand	-

Start	3427	End	3604
Name	OJ990503_01.9A29.C50.o1.tm	Method	TBLASTX:Maize
Start	2426	End	2811
GI	none	Score	293
Exons	2426..2707, 2430..2708, 2503..2715, 2741..2809, 2746..2811, 2747..2809, 2748..2810		

Seq. No.	1182	Seq. ID	OJ990503_01.9A29.C50
Gene No.	2439	Strand	-
Start	3427	End	3604
Name	OJ990503_01.9A29.C50.o1.np	Method	AAT/NAP
Start	2562	End	3604
GI	4741200	Score	48
Exons	2562..2659, 2708..2773, 3521..3604		
GI Descrip.	(AL049746) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1182	Seq. ID	OJ990503_01.9A29.C50
Gene No.	2439	Strand	-
Start	3427	End	3604
Name	OJ990503_01.9A29.C50.o2.gs	Method	GENSCAN
Start	3427	End	3523
GI	none	Score	.61
Exons	3427..3523		

Seq. No.	1183	Seq. ID	OJ990503_01.9A29.C51
Gene No.	2440	Strand	-
Start	1	End	1740
Name	OJ990503_01.9A29.C51.o1.np	Method	AAT/NAP
Start	1	End	319
GI	4741200	Score	90
Exons	1..319		
GI Descrip.	(AL049746) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1183	Seq. ID	OJ990503_01.9A29.C51
Gene No.	2440	Strand	-
Start	1	End	1740
Name	OJ990503_01.9A29.C51.o2.np	Method	AAT/NAP
Start	1	End	508
GI	6016874	Score	61
Exons	1..136, 402..508		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	1183	Seq. ID	OJ990503_01.9A29.C51
Gene No.	2440	Strand	-
Start	1	End	1740
Name	OJ990503_01.9A29.C51.o1.gs	Method	GENSCAN
Start	46	End	1740
GI	none	Score	.83
Exons	46..455, 1143..1228, 1652..1740		

Seq. No.	1184	Seq. ID	OJ990503_01.9A29.C52
Gene No.	2441	Strand	-
Start	417	End	470
Name	OJ990503_01.9A29.C52.o1.gs	Method	GENSCAN
Start	417	End	470

GI	none	Score	.41
Exons	417..470		
Seq. No.	1185	Seq. ID	OJ990503_01.9A29.C53
Gene No.	2442	Strand	+
Start	587	End	1094
Name	OJ990503_01.9A29.C53.ol.gs	Method	GENSCAN
Start	587	End	1094
GI	none	Score	.8
Exons	587..677, 1021..1094		
Seq. No.	1186	Seq. ID	OJ990503_01.9A29.C56
Gene No.	2443	Strand	+
Start	125	End	398
Name	OJ990503_01.9A29.C56.ol.gs	Method	GENSCAN
Start	125	End	398
GI	none	Score	.76
Exons	125..398		
Seq. No.	1187	Seq. ID	OJ990503_01.9A29.C57
Gene No.	2444	Strand	+
Start	173	End	484
Name	OJ990503_01.9A29.C57.ol.gs	Method	GENSCAN
Start	173	End	484
GI	none	Score	.86
Exons	173..484		
Seq. No.	1188	Seq. ID	OJ990503_01.9A29.C58
Gene No.	2445	Strand	+
Start	143	End	244
Name	OJ990503_01.9A29.C58.ol.gs	Method	GENSCAN
Start	143	End	244
GI	none	Score	.61
Exons	143..244		
Seq. No.	1189	Seq. ID	OJ990503_01.9A29.C60
Gene No.	2446	Strand	+
Start	1	End	976
Name	OJ990503_01.9A29.C60.ol.np	Method	AAT/NAP
Start	1	End	976
GI	5091544	Score	220
Exons	1..27, 540..626, 721..805, 881..976		
GI Descrip.	(AC007067) T10024.13 [Arabidopsis thaliana]		
Seq. No.	1190	Seq. ID	OJ990503_01.9A29.C61
Gene No.	2447	Strand	-
Start	74	End	762
Name	OJ990503_01.9A29.C61.ol.gs	Method	GENSCAN
Start	74	End	762
GI	none	Score	.75
Exons	74..180, 717..762		
Seq. No.	1191	Seq. ID	OJ990503_01.9A29.C62
Gene No.	2448	Strand	-
Start	154	End	606
Name	OJ990503_01.9A29.C62.ol.gs	Method	GENSCAN
Start	154	End	597

GI	none	Score	.97
Exons	154..597		
Seq. No.	1191	Seq. ID	OJ990503_01.9A29.C62
Gene No.	2448	Strand	-
Start	154	End	606
Name	OJ990503_01.9A29.C62.o1.np	Method	AAT/NAP
Start	183	End	606
GI	4741199	Score	164
Exons	183..606		
GI Descrip.	(AL049746) putative protein [Arabidopsis thaliana]		

Seq. No.	1191	Seq. ID	OJ990503_01.9A29.C62
Gene No.	2448	Strand	-
Start	154	End	606
Name	OJ990503_01.9A29.C62.o1.tm	Method	TBLASTX:Maize
Start	223	End	594
GI	none	Score	60
Exons	223..267, 304..378, 350..505, 358..471, 511..594		

Seq. No.	1192	Seq. ID	OJ990503_01.9A29.C63
Gene No.	2449	Strand	+
Start	1	End	258
Name	OJ990503_01.9A29.C63.o1.np	Method	AAT/NAP
Start	1	End	258
GI	4581164	Score	137
Exons	1..258		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	1192	Seq. ID	OJ990503_01.9A29.C63
Gene No.	2449	Strand	+
Start	1	End	258
Name	OJ990503_01.9A29.C63.o1.tm	Method	TBLASTX:Maize
Start	4	End	249
GI	none	Score	240
Exons	4..249, 24..113, 138..200		

Seq. No.	1192	Seq. ID	OJ990503_01.9A29.C63
Gene No.	2449	Strand	+
Start	1	End	258
Name	OJ990503_01.9A29.C63.o1.tw	Method	TBLASTX:Wheat
Start	4	End	249
GI	none	Score	190
Exons	4..249, 69..179		

Seq. No.	1193	Seq. ID	OJ990503_01.9A29.C64
Gene No.	2450	Strand	
Start	538	End	693
Name	OJ990503_01.9A29.C64.o1.tm	Method	TBLASTX:Maize
Start	538	End	693
GI	none	Score	81
Exons	538..693, 542..652, 615..689		

Seq. No.	1194	Seq. ID	OJ990503_01.9A29.C66
Gene No.	2451	Strand	-
Start	321	End	439

Name	OJ990503_01.9A29.C66.ol.gs	Method	GENSCAN
Start	321	End	439
GI	none	Score	.91
Exons	321..439		
Seq. No.	1195	Seq. ID	OJ990503_01.9A29.C68
Gene No.	2452	Strand	+
Start	84	End	353
Name	OJ990503_01.9A29.C68.ol.gs	Method	GENSCAN
Start	84	End	353
GI	none	Score	.52
Exons	84..353		
Seq. No.	1196	Seq. ID	OJ990503_01.9A29.C71
Gene No.	2453	Strand	+
Start	1	End	696
Name	OJ990503_01.9A29.C71.ol.np	Method	AAT/NAP
Start	1	End	696
GI	5091544	Score	147
Exons	1..44, 408..498, 555..696		
GI Descrip.	(AC007067) T10024.13 [Arabidopsis thaliana]		
Seq. No.	1197	Seq. ID	OJ990503_01.9A29.C73
Gene No.	2454	Strand	-
Start	1	End	645
Name	OJ990503_01.9A29.C73.ol.np	Method	AAT/NAP
Start	1	End	645
GI	5070280	Score	111
Exons	1..59, 187..297, 520..645		
GI Descrip.	(AF116849) LIM domain protein WLIM-1 [Helianthus annuus]		
Seq. No.	1197	Seq. ID	OJ990503_01.9A29.C73
Gene No.	2454	Strand	-
Start	1	End	645
Name	OJ990503_01.9A29.C73.ol.tm	Method	TBLASTX:Maize
Start	164	End	289
GI	none	Score	169
Exons	164..289, 165..284, 184..285		
Seq. No.	1197	Seq. ID	OJ990503_01.9A29.C73
Gene No.	2454	Strand	-
Start	1	End	645
Name	OJ990503_01.9A29.C73.ol.gs	Method	GENSCAN
Start	187	End	546
GI	none	Score	.72
Exons	187..283, 538..546		
Seq. No.	1198	Seq. ID	OJ990503_01.9A29.C76
Gene No.	2455	Strand	+
Start	384	End	571
Name	OJ990503_01.9A29.C76.ol.gp	Method	AAT/GAP
Start	384	End	571
GI	none	Score	305
Exons	384..571		
Seq. No.	1199	Seq. ID	OJ990503_01.9A29.C79
Gene No.	2456	Strand	+

Start 397
 Name OJ990503_01.9A29.C79.o1.gs
 Start 397
 GI none
 Exons 397..423, 605..719

End 719
 Method GENSCAN
 End 719
 Score .5

Seq. No. 1200
 Gene No. 2457
 Start 143
 Name OJ990503_01.9A29.C83.o1.gs
 Start 143
 GI none
 Exons 143..229

Seq. ID OJ990503_01.9A29.C83
 Strand +
 End 229
 Method GENSCAN
 End 229
 Score .86

Seq. No. 1201
 Gene No. 2458
 Start 277
 Name OJ990503_01.9A29.C84.o1.gs
 Start 277
 GI none
 Exons 277..327

Seq. ID OJ990503_01.9A29.C84
 Strand -
 End 327
 Method GENSCAN
 End 327
 Score .85

Seq. No. 1202
 Gene No. 2459
 Start 46
 Name OJ990503_01.9A29.C86.o1.gs
 Start 46
 GI none
 Exons 46..297

Seq. ID OJ990503_01.9A29.C86
 Strand +
 End 297
 Method GENSCAN
 End 297
 Score .86

Seq. No. 1203
 Gene No. 2460
 Start 1
 Name OJ990503_01.9A29.C87.o1.np
 Start 1
 GI 2829863
 Exons 1..262
 GI Descrip. (AC002396) Putative peroxidase [Arabidopsis thaliana]

Seq. ID OJ990503_01.9A29.C87
 Strand -
 End 262
 Method AAT/NAP
 End 262
 Score 197

Seq. No. 1203
 Gene No. 2460
 Start 1
 Name OJ990503_01.9A29.C87.o1.tc
 Start 2
 GI none
 Exons 2..208, 6..173

Seq. ID OJ990503_01.9A29.C87
 Strand -
 End 262
 Method TBLASTX:Cress
 End 208
 Score 125

Seq. No. 1203
 Gene No. 2460
 Start 1
 Name OJ990503_01.9A29.C87.o1.tm
 Start 2
 GI none
 Exons 2..199, 30..173

Seq. ID OJ990503_01.9A29.C87
 Strand -
 End 262
 Method TBLASTX:Maize
 End 199
 Score 171

Seq. No. 1203
 Gene No. 2460

Seq. ID OJ990503_01.9A29.C87
 Strand -

Start	1	End	262
Name	OJ990503_01.9A29.C87.ol.gs	Method	GENSCAN
Start	51	End	262
GI	none	Score	.99
Exons	51..262		

Seq. No.	1204	Seq. ID	OJ990503_01.9A29.C88
Gene No.	2461	Strand	-
Start	53	End	457
Name	OJ990503_01.9A29.C88.ol.np	Method	AAT/NAP
Start	47	End	457
GI	3043422	Score	183
Exons	47..457		
GI Descrip.	(AJ004917) endoxyloglucan transferase [Cicer arietinum]		

Seq. No.	1204	Seq. ID	OJ990503_01.9A29.C88
Gene No.	2461	Strand	-
Start	53	End	457
Name	OJ990503_01.9A29.C88.ol.gs	Method	GENSCAN
Start	53	End	457
GI	none	Score	.94
Exons	53..457		

Seq. No.	1205	Seq. ID	OJ990503_01.9A29.C89
Gene No.	2462	Strand	-
Start	144	End	327
Name	OJ990503_01.9A29.C89.ol.gs	Method	GENSCAN
Start	144	End	327
GI	none	Score	.51
Exons	144..327		

Seq. No.	1206	Seq. ID	OJ990503_01.9A29.C90
Gene No.	2463	Strand	+
Start	1	End	678
Name	OJ990503_01.9A29.C90.ol.np	Method	AAT/NAP
Start	1	End	678
GI	5091543	Score	347
Exons	1..171, 254..334, 436..537, 614..678		
GI Descrip.	(AC007067) T10024.12 [Arabidopsis thaliana]		

Seq. No.	1206	Seq. ID	OJ990503_01.9A29.C90
Gene No.	2463	Strand	+
Start	1	End	678
Name	OJ990503_01.9A29.C90.ol.ts	Method	TBLASTX:Soybean
Start	73	End	664
GI	none	Score	123
Exons	73..171, 75..185, 248..334, 253..336, 433..537, 435..539, 486..536, 609..662, 611..664		

Seq. No.	1206	Seq. ID	OJ990503_01.9A29.C90
Gene No.	2463	Strand	+
Start	1	End	678
Name	OJ990503_01.9A29.C90.ol.gs	Method	GENSCAN
Start	76	End	537
GI	none	Score	.83
Exons	76..171, 254..334, 436..537		

Seq. No.	1206	Seq. ID	OJ990503_01.9A29.C90
Gene No.	2463	Strand	+
Start	1	End	678
Name	OJ990503_01.9A29.C90.ol.tm	Method	TBLASTX:Maize
Start	292	End	664
GI	none	Score	68
Exons	292..330, 293..334, 433..543, 436..477, 482..544, 483..560, 610..663, 611..664		

Seq. No.	1207	Seq. ID	OJ990323_03.9A18.C1
Gene No.	2464	Strand	-
Start	68	End	164
Name	OJ990323_03.9A18.C1.ol.gs	Method	GENSCAN
Start	68	End	164
GI	none	Score	.7
Exons	68..164		

Seq. No.	1208	Seq. ID	OJ990323_03.9A18.C4
Gene No.	2465	Strand	-
Start	1	End	654
Name	OJ990323_03.9A18.C4.ol.np	Method	AAT/NAP
Start	1	End	654
GI	2119980	Score	1063
Exons	1..654		
GI Descrip.	transposase (transposons) - Escherichia coli gi 43089 emb CAA42760 (X60200) transposase [Escherichia coli] gi 303566 dbj BAA03914 (D16449) transposase [Escherichia coli]		

Seq. No.	1208	Seq. ID	OJ990323_03.9A18.C4
Gene No.	2465	Strand	-
Start	1	End	654
Name	OJ990323_03.9A18.C4.ol.gs	Method	GENSCAN
Start	119	End	617
GI	none	Score	.6
Exons	119..617		

Seq. No.	1209	Seq. ID	OJ990323_03.9A18.C5
Gene No.	2466	Strand	+
Start	631	End	737
Name	OJ990323_03.9A18.C5.ol.gs	Method	GENSCAN
Start	631	End	737
GI	none	Score	.72
Exons	631..737		

Seq. No.	1210	Seq. ID	OJ990323_03.9A18.C6
Gene No.	2467	Strand	+
Start	363	End	584
Name	OJ990323_03.9A18.C6.ol.np	Method	AAT/NAP
Start	363	End	584
GI	4512231	Score	315
Exons	363..584		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	1211	Seq. ID	OJ990323_03.9A18.C7
Gene No.	2468	Strand	+
Start	1	End	578
Name	OJ990323_03.9A18.C7.ol.np	Method	AAT/NAP

Start	1	End	578
GI	4680179	Score	791
Exons	1..578		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1211	Seq. ID	OJ990323_03.9A18.C7
Gene No.	2468	Strand	+
Start	1	End	578
Name	OJ990323_03.9A18.C7.o1.tm	Method	TBLASTX:Maize
Start	1	End	374
GI	none	Score	73
Exons	1..249, 2..313, 4..111, 169..309, 312..374		

Seq. No.	1211	Seq. ID	OJ990323_03.9A18.C7
Gene No.	2468	Strand	+
Start	1	End	578
Name	OJ990323_03.9A18.C7.o1.tw	Method	TBLASTX:Wheat
Start	149	End	517
GI	none	Score	188
Exons	149..310, 169..309, 312..515, 332..517		

Seq. No.	1211	Seq. ID	OJ990323_03.9A18.C7
Gene No.	2468	Strand	+
Start	1	End	578
Name	OJ990323_03.9A18.C7.o1.gs	Method	GENSCAN
Start	177	End	493
GI	none	Score	.45
Exons	177..493		

Seq. No.	1212	Seq. ID	OJ990323_03.9A18.C9
Gene No.	2469	Strand	+
Start	23	End	103
Name	OJ990323_03.9A18.C9.o1.gs	Method	GENSCAN
Start	23	End	103
GI	none	Score	.9
Exons	23..103		

Seq. No.	1213	Seq. ID	OJ990323_03.9A18.C10
Gene No.	2470	Strand	-
Start	477	End	648
Name	OJ990323_03.9A18.C10.o1.gs	Method	GENSCAN
Start	477	End	648
GI	none	Score	.73
Exons	477..648		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2471	Strand	+
Start	963	End	6095
Name	OJ990323_03.9A18.C11.o1.gs	Method	GENSCAN
Start	963	End	6067
GI	none	Score	.67
Exons	963..1158, 3446..3503, 4547..4745, 5456..5524, 5806..5839, 5916..6067		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2471	Strand	+
Start	963	End	6095

Name	OJ990323_03.9A18.C11.o1.gp	Method	AAT/GAP
Start	4589	End	6095
GI	287160	Score	599
Exons	4589..4821, 6001..6095		
Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2472	Strand	+
Start	14342	End	15746
Name	OJ990323_03.9A18.C11.o3.gs	Method	GENSCAN
Start	14342	End	15746
GI	none	Score	.97
Exons	14342..14344, 14525..14741, 15619..15746		
Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2473	Strand	-
Start	8553	End	12652
Name	OJ990323_03.9A18.C11.o2.gs	Method	GENSCAN
Start	8553	End	12652
GI	none	Score	.62
Exons	8553..8728, 8921..9335, 9561..9732, 9982..10229, 10904..11130, 11957..12069, 12209..12296, 12445..12652		
Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o6.tm	Method	TBLASTX:Maize
Start	5993	End	6300
GI	none	Score	300
Exons	5993..6238, 5994..6239, 6250..6300		
Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o5.ts	Method	TBLASTX:Soybean
Start	6003	End	6241
GI	none	Score	88
Exons	6003..6116, 6003..6098, 6023..6115, 6119..6241, 6120..6239		
Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o1.tm	Method	TBLASTX:Maize
Start	8907	End	9726
GI	none	Score	181
Exons	8907..9047, 8912..8998, 8914..9033, 8922..9077, 8923..9078, 9040..9333, 9042..9335, 9043..9339, 9507..9719, 9509..9721, 9511..9696, 9511..9726, 9515..9721		
Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o3.ts	Method	TBLASTX:Soybean
Start	8925	End	9689
GI	none	Score	66
Exons	8925..9149, 8926..9117, 9138..9335, 9139..9318, 9507..9689		
Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11

Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o2.tc	Method	TBLASTX:Cress
Start	8946	End	9329
GI	none	Score	93
Exons	8946..9140, 9123..9329, 9151..9318		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o6.tw	Method	TBLASTX:Wheat
Start	9255	End	9701
GI	none	Score	63
Exons	9255..9335, 9256..9348, 9546..9701, 9550..9693		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o9.tm	Method	TBLASTX:Maize
Start	9729	End	9887
GI	none	Score	128
Exons	9729..9887, 9737..9856		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o2.tm	Method	TBLASTX:Maize
Start	10092	End	11132
GI	none	Score	175
Exons	10092..10121, 10093..10230, 10105..10230, 10173..10247, 10904..11131, 10905..11132		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o7.tw	Method	TBLASTX:Wheat
Start	16354	End	16706
GI	none	Score	74
Exons	16354..16458, 16371..16457, 16384..16458, 16484..16558, 16485..16562, 16489..16563, 16492..16560, 16562..16633, 16563..16625, 16634..16705, 16635..16706		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o1.np	Method	AAT/NAP
Start	16845	End	20668
GI	6630696	Score	5991
Exons	16845..20668		

GI Descrip. (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o2.tw	Method	TBLASTX:Wheat

Start	16981	End	17477
GI	none	Score	229
Exons	16981..17229, 16982..17119, 16986..17228, 17014..17232, 17171..17257, 17211..17387, 17230..17388, 17232..17396, 17389..17472, 17403..17477, 17404..17472, 17408..17476		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o4.gs	Method	GENSCAN
Start	17142	End	19421
GI	none	Score	.94
Exons	17142..19421		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o5.tm	Method	TBLASTX:Maize
Start	17334	End	17679
GI	none	Score	280
Exons	17334..17675, 17335..17679		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o4.ts	Method	TBLASTX:Soybean
Start	17484	End	17832
GI	none	Score	88
Exons	17484..17672, 17485..17673, 17668..17832, 17673..17831		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o3.tw	Method	TBLASTX:Wheat
Start	17685	End	18230
GI	none	Score	59
Exons	17685..17891, 17695..17817, 17886..18230, 18052..18213		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o4.tm	Method	TBLASTX:Maize
Start	17766	End	18231
GI	none	Score	61
Exons	17766..18230, 17869..17979, 18015..18077, 18100..18231		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o1.ts	Method	TBLASTX:Soybean
Start	17901	End	18365
GI	5509260	Score	92
Exons	17901..18365, 18109..18270		
GI Descrip.	-		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-

Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o1.tc	Method	TBLASTX:Cress
Start	18012	End	18272
GI	none	Score	108
Exons	18012..18272, 18100..18270, 18153..18272		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o1.tw	Method	TBLASTX:Wheat
Start	18285	End	19040
GI	none	Score	97
Exons	18285..18443, 18285..19040, 18289..18468, 18305..18835, 18550..19032		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o3.tc	Method	TBLASTX:Cress
Start	18579	End	19073
GI	none	Score	130
Exons	18579..18662, 18666..18854, 18870..19073		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o2.ts	Method	TBLASTX:Soybean
Start	18690	End	19088
GI	none	Score	107
Exons	18690..18863, 18867..19088, 18868..19086		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o7.tm	Method	TBLASTX:Maize
Start	18876	End	19340
GI	none	Score	75
Exons	18876..19340, 18949..19059		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o5.tw	Method	TBLASTX:Wheat
Start	19041	End	19233
GI	none	Score	137
Exons	19041..19232, 19041..19232, 19162..19233		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o3.tm	Method	TBLASTX:Maize
Start	19428	End	19831
GI	none	Score	84
Exons	19428..19490, 19488..19592, 19509..19592, 19511..19594, 19520..19594, 19593..19808, 19593..19811, 19595..19831		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
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Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o8.tm	Method	TBLASTX:Maize
Start	20321	End	20590
GI	none	Score	82
Exons	20321..20392, 20394..20513, 20394..20459, 20456..20590, 20463..20579		

Seq. No.	1214	Seq. ID	OJ990323_03.9A18.C11
Gene No.	2474	Strand	-
Start	17142	End	20773
Name	OJ990323_03.9A18.C11.o4.tw	Method	TBLASTX:Wheat
Start	20390	End	20773
GI	none	Score	87
Exons	20390..20461, 20394..20483, 20394..20459, 20396..20461, 20451..20561, 20456..20587, 20463..20636, 20642..20773		

Seq. No.	1215	Seq. ID	OJ990323_03.9A18.C12
Gene No.	2475	Strand	+
Start	611	End	3215
Name	OJ990323_03.9A18.C12.o1.gs	Method	GENSCAN
Start	611	End	3215
GI	none	Score	.89
Exons	611..772, 865..919, 1034..1097, 1220..1262, 1638..1706, 1840..2173, 2245..2399, 2520..3215		

Seq. No.	1215	Seq. ID	OJ990323_03.9A18.C12
Gene No.	2475	Strand	+
Start	611	End	3215
Name	OJ990323_03.9A18.C12.o1.gp	Method	AAT/GAP
Start	2502	End	2977
GI	2799207	Score	701
Exons	2502..2977		
GI Descrip.	58066/emb X52324 ARBLSKM 1.0e-20 pBluescript SK(-) vector DNA, phagemid excised from lambda ZAP		

Seq. No.	1215	Seq. ID	OJ990323_03.9A18.C12
Gene No.	2476	Strand	+
Start	9076	End	9389
Name	OJ990323_03.9A18.C12.o3.gp	Method	AAT/GAP
Start	9076	End	9389
GI	3760334	Score	578
Exons	9076..9389		
GI Descrip.	2500354/sp P93847 RL10_SOLME 1.0e-35 60S RIBOSOMAL PROTEIN L10 (EQM) >gi_1902894_dbj_BAA19462_ (AB001891) QM family protein [Solanum melongena]		

Seq. No.	1215	Seq. ID	OJ990323_03.9A18.C12
Gene No.	2477	Strand	-
Start	3634	End	8030
Name	OJ990323_03.9A18.C12.o1.tm	Method	TBLASTX:Maize
Start	3472	End	6183
GI	none	Score	52
Exons	3472..3552, 3477..3557, 3485..3553, 3554..3580, 3555..3611, 3634..3714, 3637..3711, 3644..3712, 3931..4107, 3933..4112, 3934..4110, 4669..4782, 4669..4782, 4670..4783, 4709..4786, 4851..4934, 4856..4942, 4856..4930, 4858..4935, 5275..5460,		

5276..5440, 5307..5462, 5884..6006, 5896..6006, 6084..6158,
6088..6150, 6103..6183

Seq. No.	1215	Seq. ID	OJ990323_03.9A18.C12
Gene No.	2477	Strand	-
Start	3634	End	8030
Name	OJ990323_03.9A18.C12.o1.tc	Method	TBLASTX:Cress
Start	3634	End	6155
GI	none	Score	65
Exons	3634..3735, 3643..3711, 3931..4110, 3933..4112, 4669..4782, 4670..4777, 4856..4903, 4860..4883, 5275..5460, 5303..5440, 5896..6006, 6084..6155		

Seq. No.	1215	Seq. ID	OJ990323_03.9A18.C12
Gene No.	2477	Strand	-
Start	3634	End	8030
Name	OJ990323_03.9A18.C12.o2.gs	Method	GENSCAN
Start	3634	End	8030
GI	none	Score	.8
Exons	3634..3708, 3933..4127, 4669..4782, 4856..4934, 5300..5461, 5737..5859, 5885..6007, 6067..6153, 6158..6335, 7552..7634, 7888..8030		

Seq. No.	1215	Seq. ID	OJ990323_03.9A18.C12
Gene No.	2477	Strand	-
Start	3634	End	8030
Name	OJ990323_03.9A18.C12.o1.np	Method	AAT/NAP
Start	3637	End	6146
GI	3913733	Score	863
Exons	3637..3708, 3933..4109, 4669..4782, 4856..4934, 5300..5461, 5885..6007, 6100..6146		
GI Descrip.	HYDROXYACYLGLUTATHIONE HYDROLASE CYTOPLASMIC (GLYOXALASE II) (GLX II) gi 1924921 emb CAA69644 (Y08357) hydroxyacylglutathione hydrolase [Arabidopsis thaliana] gi 6630545 gb AAF19564.1 AC011708.7 (AC011708) hydroxyacylglutathione hydrolase cytoplasmic (glyoxalase II) (GLX II) [Arabidopsis thaliana]		

Seq. No.	1215	Seq. ID	OJ990323_03.9A18.C12
Gene No.	2477	Strand	-
Start	3634	End	8030
Name	OJ990323_03.9A18.C12.o2.ts	Method	TBLASTX:Soybean
Start	3933	End	4112
GI	none	Score	142
Exons	3933..4112, 3937..4110		

Seq. No.	1215	Seq. ID	OJ990323_03.9A18.C12
Gene No.	2477	Strand	-
Start	3634	End	8030
Name	OJ990323_03.9A18.C12.o2.gp	Method	AAT/GAP
Start	3985	End	5352
GI	2443021	Score	667
Exons	3985..4109, 4669..4782, 4856..4934, 5300..5352		
GI Descrip.	3913733/sp O24496 GL2C ARATH 9.0e-50 HYDROXYACYLGLUTATHIONE HYDROLASE CYTOPLASMIC ISOZYME (GLYOXALASE II) (GLX II) >gi_1924921_emb_CAA69644_ (Y08357) hydroxyacylglutathione hydrolase [Arabidopsis thaliana]		

Seq. No.	1215	Seq. ID	OJ990323_03.9A18.C12
Gene No.	2477	Strand	-
Start	3634	End	8030
Name	OJ990323_03.9A18.C12.o1.ts	Method	TBLASTX:Soybean
Start	4683	End	5463
GI	none	Score	111
Exons	4683..4778, 4684..4782, 4685..4783, 4715..4783, 4856..4936, 4856..4930, 4860..4937, 5410..5463		

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2478	Strand	-
Start	53	End	4580
Name	OJ990323_03.9A18.C13.o1.gp	Method	AAT/GAP
Start	53	End	1272
GI	3760334	Score	999
Exons	53..331, 908..989, 1086..1272		
GI Descrip.	2500354/sp P93847 RL10_SOLME 1.0e-35 60S RIBOSOMAL PROTEIN L10 (EQM) >gi_1902894_dbj_BAA19462_ (AB001891) QM family protein [Solanum melongena]		

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2478	Strand	-
Start	53	End	4580
Name	OJ990323_03.9A18.C13.o1.np	Method	AAT/NAP
Start	269	End	1597
GI	2500354	Score	875
Exons	269..331, 908..989, 1086..1597		
GI Descrip.	60S RIBOSOMAL PROTEIN L10 (EQM) gi 1902894 dbj BAA19462 (AB001891) QM family protein [Solanum melongena]		

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2478	Strand	-
Start	53	End	4580
Name	OJ990323_03.9A18.C13.o1.gs	Method	GENSCAN
Start	556	End	4580
GI	none	Score	.53
Exons	556..639, 908..989, 1086..1587, 1739..1787, 2331..2502, 3110..3316, 3799..4225, 4424..4580		

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2478	Strand	-
Start	53	End	4580
Name	OJ990323_03.9A18.C13.o2.gp	Method	AAT/GAP
Start	1370	End	1822
GI	2312091	Score	765
Exons	1370..1822		
GI Descrip.	6093994/sp O22431 RL10_PINTA 1.0e-12 60S RIBOSOMAL PROTEIN L10 (WILM'S TUMOR SUPPRESSOR HOMOLOG) >gi_2317762 (AF013804) Wilm's tumor suppressor homolog [Pinus taeda]		

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2478	Strand	-
Start	53	End	4580
Name	OJ990323_03.9A18.C13.o2.np	Method	AAT/NAP
Start	2325	End	4156
GI	3786012	Score	612

Exons 2325..2502, 3110..3316, 3793..4156
 GI Descrip. (AC005499) putative acid phosphatase [Arabidopsis thaliana]

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2478	Strand	-
Start	53	End	4580
Name	OJ990323_03.9A18.C13.o3.gp	Method	AAT/GAP
Start	3804	End	4509
GI	uC-osroM202023a02b1	Score	976
Exons	3804..4225, 4424..4509		
GI Descrip.	'4539330/emb CAB38831.1 1.0e-22 (AL035679) putative receptor-like protein kinase (fragment) [Arabidopsis thaliana]'		

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2479	Strand	-
Start	7620	End	12303
Name	OJ990323_03.9A18.C13.o1.tc	Method	TBLASTX:Cress
Start	903	End	1603
GI	none	Score	52
Exons	903..989, 908..988, 1085..1603, 1086..1133, 1172..1507, 1182..1586		

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2479	Strand	-
Start	7620	End	12303
Name	OJ990323_03.9A18.C13.o1.ts	Method	TBLASTX:Soybean
Start	903	End	1589
GI	none	Score	58
Exons	903..989, 905..988, 1085..1585, 1086..1133, 1166..1507, 1179..1586, 1446..1589		

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2479	Strand	-
Start	7620	End	12303
Name	OJ990323_03.9A18.C13.o1.tm	Method	TBLASTX:Maize
Start	905	End	1631
GI	none	Score	52
Exons	905..988, 906..989, 1085..1585, 1086..1631		

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2479	Strand	-
Start	7620	End	12303
Name	OJ990323_03.9A18.C13.o1.tw	Method	TBLASTX:Wheat
Start	905	End	1483
GI	none	Score	60
Exons	905..988, 913..984, 1046..1483, 1086..1469, 1163..1483		

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2479	Strand	-
Start	7620	End	12303
Name	OJ990323_03.9A18.C13.o2.tc	Method	TBLASTX:Cress
Start	2316	End	4067
GI	none	Score	127
Exons	2316..2435, 2317..2436, 3798..4067		

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2479	Strand	-

Start	7620	End	12303
Name	OJ990323_03.9A18.C13.o2.ts	Method	TBLASTX:Soybean
Start	3205	End	4046
GI	none	Score	233
Exons	3205..3312, 3798..4046		

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2479	Strand	-
Start	7620	End	12303
Name	OJ990323_03.9A18.C13.o2.tw	Method	TBLASTX:Wheat
Start	3840	End	4091
GI	none	Score	78
Exons	3840..4091, 3936..4052		

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2479	Strand	-
Start	7620	End	12303
Name	OJ990323_03.9A18.C13.o4.gp	Method	AAT/GAP
Start	6968	End	9063
GI	28437_1.R1084	Score	1933
Exons	6968..7384, 7601..7706, 8298..8704, 8927..9063		
GI Descrip.	'267152/sp Q00830 ABCX_ODOSI 2.0e-15 PROBABLE ATP-DEPENDENT TRANSPORTER YCF16 >gi_11938_emb_CAA43151_(X60752) ORF 756 [Odontella sinensis] >gi_11945_emb_CAA43158_(X60752) ORF 252 [Odontella sinensis] >gi_1185205_emb_CAA91688_(Z67753) ORF251 [Odontella sinensis]'		

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2479	Strand	-
Start	7620	End	12303
Name	OJ990323_03.9A18.C13.o2.tm	Method	TBLASTX:Maize
Start	7616	End	10743
GI	none	Score	65
Exons	7616..7708, 7620..7715, 7629..7763, 8264..8344, 8286..8474, 8293..8391, 8298..8444, 8317..8475, 8922..9026, 8924..9046, 8930..9052, 8932..9048, 9418..9645, 9422..9640, 10426..10479, 10427..10480, 10435..10482, 10576..10674, 10576..10674, 10586..10693, 10717..10743		

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2479	Strand	-
Start	7620	End	12303
Name	OJ990323_03.9A18.C13.o3.gs	Method	GENSCAN
Start	7620	End	10859
GI	none	Score	.95
Exons	7620..7706, 8298..8474, 8927..9049, 9418..9639, 10429..10479, 10585..10747, 10819..10859		

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2479	Strand	-
Start	7620	End	12303
Name	OJ990323_03.9A18.C13.o3.np	Method	AAT/NAP
Start	7626	End	12303
GI	6119518	Score	737
Exons	7626..7706, 8298..8474, 8927..9049, 9418..9639, 10429..10479, 10585..10719, 12241..12303		
GI Descrip.	(AC011560) putative ABC transporter ATPase [Arabidopsis]		

thaliana]

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2479	Strand	-
Start	7620	End	12303
Name	OJ990323_03.9A18.C13.o3.ts	Method	TBLASTX:Soybean
Start	8924	End	9601
GI	4294569	Score	86
Exons	8924..9043, 8925..9032, 9418..9600, 9425..9601		
GI Descrip.	267152/sp_Q00830 ABCX_ODOSI 5.0e-28 PROBABLE ATP-DEPENDENT TRANSPORTER YCF16 >gi_11938_emb_CAA43151_ (X60752) ORF 756 [Odontella sinensis] >gi_11945_emb_CAA43158_ (X60752) ORF 252 [Odontella sinensis] >gi_1185205_emb_CAA91688_ (Z67753) ORF251 [Odontella sinensis]		

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2479	Strand	-
Start	7620	End	12303
Name	OJ990323_03.9A18.C13.o5.gp	Method	AAT/GAP
Start	9563	End	10918
GI	41121_1.R1084	Score	864
Exons	9563..9639, 10429..10479, 10585..10918		
GI Descrip.	'1351834/sp P48255 ABCX_CYAPA 6.0e-17 PROBABLE ATP-DEPENDENT TRANSPORTER YCF16 >gi_1016162 (U30821) ABC transporter subunit [Cyanophora paradoxa]'		

Seq. No.	1216	Seq. ID	OJ990323_03.9A18.C13
Gene No.	2479	Strand	-
Start	7620	End	12303
Name	OJ990323_03.9A18.C13.o4.np	Method	AAT/NAP
Start	10076	End	12303
GI	4323298	Score	57
Exons	10076..10129, 11626..11822, 12260..12303		
GI Descrip.	(AF099096) pulvinus outward-rectifying channel for potassium SPOCK1 [Samanea saman]		

Seq. No.	1217	Seq. ID	OJ990323_03.9A18.C14
Gene No.	2480	Strand	+
Start	1713	End	9576
Name	OJ990323_03.9A18.C14.o1.gs	Method	GENSCAN
Start	1713	End	9576
GI	none	Score	.7
Exons	1713..1848, 3348..3442, 3876..4008, 5051..5106, 5292..5394, 6124..6210, 7473..7711, 7850..8765, 8945..9576		

Seq. No.	1217	Seq. ID	OJ990323_03.9A18.C14
Gene No.	2480	Strand	+
Start	1713	End	9576
Name	OJ990323_03.9A18.C14.o1.np	Method	AAT/NAP
Start	7496	End	9570
GI	6714369	Score	1530
Exons	7496..8770, 8953..9570		
GI Descrip.	(AC012562) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	1217	Seq. ID	OJ990323_03.9A18.C14
Gene No.	2481	Strand	-
Start	9754	End	11643

Name	OJ990323_03.9A18.C14.o3.tc	Method	TBLASTX:Cress
Start	7556	End	7891
GI	none	Score	53
Exons	7556..7660, 7661..7891, 7666..7890		

Seq. No.	1217	Seq. ID	OJ990323_03.9A18.C14
Gene No.	2481	Strand	-
Start	9754	End	11643
Name	OJ990323_03.9A18.C14.o1.tm	Method	TBLASTX:Maize
Start	7586	End	9632
GI	none	Score	523
Exons	7586..8170, 7589..8200, 7591..8220, 7945..8181, 8200..8301, 8242..8304, 8322..8384, 8324..8428, 8393..8770, 8394..8570, 8435..8767, 8557..8769, 8937..9344, 8944..9588, 8944..9426, 9302..9628, 9378..9632		

Seq. No.	1217	Seq. ID	OJ990323_03.9A18.C14
Gene No.	2481	Strand	-
Start	9754	End	11643
Name	OJ990323_03.9A18.C14.o2.tc	Method	TBLASTX:Cress
Start	7909	End	8767
GI	none	Score	55
Exons	7909..8043, 7919..8044, 8048..8131, 8056..8130, 8450..8650, 8506..8649, 8663..8767, 8663..8728, 8737..8766		

Seq. No.	1217	Seq. ID	OJ990323_03.9A18.C14
Gene No.	2481	Strand	-
Start	9754	End	11643
Name	OJ990323_03.9A18.C14.o1.ts	Method	TBLASTX:Soybean
Start	7945	End	9632
GI	none	Score	185
Exons	7945..8220, 7946..8170, 7998..8180, 8200..8301, 8242..8304, 8322..8384, 8324..8428, 8393..8770, 8394..8570, 8435..8767, 8557..8769, 8937..9344, 8944..9588, 8944..9426, 9302..9628, 9378..9632		

Seq. No.	1217	Seq. ID	OJ990323_03.9A18.C14
Gene No.	2481	Strand	-
Start	9754	End	11643
Name	OJ990323_03.9A18.C14.o3.tw	Method	TBLASTX:Wheat
Start	8483	End	8656
GI	none	Score	190
Exons	8483..8656		

Seq. No.	1217	Seq. ID	OJ990323_03.9A18.C14
Gene No.	2481	Strand	-
Start	9754	End	11643
Name	OJ990323_03.9A18.C14.o1.tc	Method	TBLASTX:Cress
Start	8965	End	9519
GI	none	Score	443
Exons	8965..9387, 8973..9341, 9178..9414, 9394..9519, 9429..9500		

Seq. No.	1217	Seq. ID	OJ990323_03.9A18.C14
Gene No.	2481	Strand	-
Start	9754	End	11643
Name	OJ990323_03.9A18.C14.o2.tw	Method	TBLASTX:Wheat
Start	8974	End	9285

GI	none	Score	136
Exons	8974..9144, 9175..9285, 9177..9281		
Seq. No.	1217	Seq. ID	OJ990323_03.9A18.C14
Gene No.	2481	Strand	-
Start	9754	End	11643
Name	OJ990323_03.9A18.C14.o1.tw	Method	TBLASTX:Wheat
Start	9319	End	9561
GI	none	Score	208
Exons	9319..9561, 9322..9504		

Seq. No.	1217	Seq. ID	OJ990323_03.9A18.C14
Gene No.	2481	Strand	-
Start	9754	End	11643
Name	OJ990323_03.9A18.C14.o2.gs	Method	GENSCAN
Start	9754	End	11421
GI	none	Score	.75
Exons	9754..10125, 10223..10418, 10538..10917, 11276..11421		

Seq. No.	1217	Seq. ID	OJ990323_03.9A18.C14
Gene No.	2481	Strand	-
Start	9754	End	11643
Name	OJ990323_03.9A18.C14.o2.tm	Method	TBLASTX:Maize
Start	10257	End	10860
GI	none	Score	65
Exons	10257..10322, 10264..10323, 10264..10323, 10357..10389, 10357..10389, 10495..10707, 10496..10594, 10498..10707, 10664..10714, 10723..10860, 10727..10804		

Seq. No.	1217	Seq. ID	OJ990323_03.9A18.C14
Gene No.	2481	Strand	-
Start	9754	End	11643
Name	OJ990323_03.9A18.C14.o2.np	Method	AAT/NAP
Start	10504	End	11643
GI	3786014	Score	104
Exons	10504..10730, 11502..11643		
GI Descrip.	(AC005499) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1218	Seq. ID	OJ990323_03.9A18.C15
Gene No.	2482	Strand	-
Start	272	End	2171
Name	OJ990323_03.9A18.C15.o1.gs	Method	GENSCAN
Start	272	End	2171
GI	none	Score	.94
Exons	272..334, 511..573, 1167..1244, 1764..2171		

Seq. No.	1219	Seq. ID	OJ990323_03.9A18.C17
Gene No.	2483	Strand	+
Start	1	End	489
Name	OJ990323_03.9A18.C17.o1.gp	Method	AAT/GAP
Start	1	End	278
GI	53564_1.R1084	Score	536
Exons	1..278		
GI Descrip.	'5262218/emb CAB45844.1 3.0e-10 (AL080254) calcium-binding protein-like [Arabidopsis thaliana]'		

Seq. No.	1219	Seq. ID	OJ990323_03.9A18.C17
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Gene No.	2483	Strand	+
Start	1	End	489
Name	OJ990323_03.9A18.C17.o1.np	Method	AAT/NAP
Start	1	End	486
GI	5262218	Score	418
Exons	1..486		
GI Descrip.	(AL080254) calcium-binding protein-like [Arabidopsis thaliana]		

Seq. No.	1219	Seq. ID	OJ990323_03.9A18.C17
Gene No.	2483	Strand	+
Start	1	End	489
Name	OJ990323_03.9A18.C17.o1.gs	Method	GENSCAN
Start	70	End	489
GI	none	Score	.98
Exons	70..489		

Seq. No.	1219	Seq. ID	OJ990323_03.9A18.C17
Gene No.	2484	Strand	+
Start	1661	End	2037
Name	OJ990323_03.9A18.C17.o2.gp	Method	AAT/GAP
Start	1661	End	2037
GI	56410_1.R1084	Score	660
Exons	1661..2037		
GI Descrip.	'5852170/emb AL117265.1 OST17804 3.0e-94 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	1219	Seq. ID	OJ990323_03.9A18.C17
Gene No.	2485	Strand	+
Start	7118	End	7495
Name	OJ990323_03.9A18.C17.o2.np	Method	AAT/NAP
Start	7118	End	7495
GI	6907105	Score	293
Exons	7118..7346, 7436..7495		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	1219	Seq. ID	OJ990323_03.9A18.C17
Gene No.	2485	Strand	+
Start	7118	End	7495
Name	OJ990323_03.9A18.C17.o3.gs	Method	GENSCAN
Start	7118	End	7346
GI	none	Score	1
Exons	7118..7346		

Seq. No.	1219	Seq. ID	OJ990323_03.9A18.C17
Gene No.	2486	Strand	-
Start	806	End	6141
Name	OJ990323_03.9A18.C17.o1.tm	Method	TBLASTX:Maize
Start	4	End	621
GI	none	Score	210
Exons	4..162, 40..225, 253..621, 274..378, 282..584		

Seq. No.	1219	Seq. ID	OJ990323_03.9A18.C17
Gene No.	2486	Strand	-
Start	806	End	6141
Name	OJ990323_03.9A18.C17.o2.ts	Method	TBLASTX:Soybean
Start	253	End	468
GI	none	Score	190

Exons 253..468, 271..363, 393..467

Seq. No.	1219	Seq. ID	OJ990323_03.9A18.C17
Gene No.	2486	Strand	-
Start	806	End	6141
Name	OJ990323_03.9A18.C17.o2.tc	Method	TBLASTX:Cress
Start	265	End	477
GI	none	Score	231
Exons	265..477, 282..476		

Seq. No.	1219	Seq. ID	OJ990323_03.9A18.C17
Gene No.	2486	Strand	-
Start	806	End	6141
Name	OJ990323_03.9A18.C17.o2.gs	Method	GENSCAN
Start	806	End	6141
GI	none	Score	.78
Exons	806..895, 2577..2667, 3032..3178, 5445..5680, 5775..5852, 5884..6141		

Seq. No.	1219	Seq. ID	OJ990323_03.9A18.C17
Gene No.	2486	Strand	-
Start	806	End	6141
Name	OJ990323_03.9A18.C17.o3.gp	Method	AAT/GAP
Start	2704	End	6060
GI	4254_1.R1084	Score	1887
Exons	2704..3178, 5445..5680, 5775..6060		
GI Descrip.	'1651865/dbj BAA16792 4.0e-14 (D90900) hypothetical protein [Synechocystis sp.]'		

Seq. No.	1219	Seq. ID	OJ990323_03.9A18.C17
Gene No.	2486	Strand	-
Start	806	End	6141
Name	OJ990323_03.9A18.C17.o2.tm	Method	TBLASTX:Maize
Start	2809	End	5967
GI	none	Score	45
Exons	2809..2871, 2834..2902, 2836..2916, 2847..2915, 2916..3176, 2931..3173, 2936..3184, 2938..3183, 5435..5533, 5444..5683, 5445..5543, 5631..5750, 5631..5690, 5762..5803, 5775..5804, 5792..5830, 5793..5867, 5860..5967, 5877..5966		

Seq. No.	1219	Seq. ID	OJ990323_03.9A18.C17
Gene No.	2486	Strand	-
Start	806	End	6141
Name	OJ990323_03.9A18.C17.o1.ts	Method	TBLASTX:Soybean
Start	3010	End	5813
GI	none	Score	159
Exons	3010..3183, 3011..3184, 5444..5665, 5445..5543, 5631..5663, 5781..5813, 5782..5811		

Seq. No.	1219	Seq. ID	OJ990323_03.9A18.C17
Gene No.	2486	Strand	-
Start	806	End	6141
Name	OJ990323_03.9A18.C17.o1.tc	Method	TBLASTX:Cress
Start	3064	End	5665
GI	none	Score	63
Exons	3064..3183, 3068..3184, 5360..5665, 5435..5527, 5445..5543, 5631..5663		

Seq. No.	1220	Seq. ID	OJ990323_03.9A18.C19
Gene No.	2487	Strand	
Start	193	End	545
Name	OJ990323_03.9A18.C19.o1.tw	Method	TBLASTX:Wheat
Start	193	End	545
GI	none	Score	74
Exons	193..297, 210..296, 323..397, 324..401, 327..398, 328..402, 331..399, 401..472, 402..464, 473..544, 474..545		

Seq. No.	1221	Seq. ID	OJ990323_03.9A18.C21
Gene No.	2488	Strand	+
Start	1	End	1524
Name	OJ990323_03.9A18.C21.o1.np	Method	AAT/NAP
Start	1	End	1409
GI	1362152	Score	1353
Exons	1..118, 221..303, 382..502, 600..773, 883..990, 1113..1409		
GI Descrip.	ribosomal protein S6 kinase homolog (clone Aspk11) - oat gi 871986 emb CAA56313 (X79992) putative pp70 ribosomal protein S6 kinase [Avena sativa]		

Seq. No.	1221	Seq. ID	OJ990323_03.9A18.C21
Gene No.	2488	Strand	+
Start	1	End	1524
Name	OJ990323_03.9A18.C21.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1379
GI	none	Score	185
Exons	1..117, 2..118, 3..122, 4..156, 208..285, 209..304, 213..281, 218..307, 365..502, 366..503, 366..503, 379..504, 379..507, 380..511, 602..772, 602..772, 603..773, 873..989, 880..993, 882..992, 1101..1331, 1181..1330, 1350..1379		

Seq. No.	1221	Seq. ID	OJ990323_03.9A18.C21
Gene No.	2488	Strand	+
Start	1	End	1524
Name	OJ990323_03.9A18.C21.o1.tc	Method	TBLASTX:Cress
Start	1	End	1376
GI	none	Score	190
Exons	1..117, 2..118, 208..285, 209..304, 213..284, 218..307, 365..505, 367..504, 378..506, 379..507, 380..511, 602..772, 603..791, 603..773, 885..992, 946..993, 1101..1331, 1112..1345, 1350..1376		

Seq. No.	1221	Seq. ID	OJ990323_03.9A18.C21
Gene No.	2488	Strand	+
Start	1	End	1524
Name	OJ990323_03.9A18.C21.o1.tm	Method	TBLASTX:Maize
Start	2	End	1431
GI	none	Score	195
Exons	2..118, 2..118, 3..119, 209..304, 213..296, 219..305, 220..303, 379..498, 380..511, 574..771, 596..772, 597..773, 600..785, 873..989, 880..993, 881..961, 882..989, 1113..1415, 1113..1169, 1114..1419, 1169..1360, 1218..1400, 1249..1431		

Seq. No.	1221	Seq. ID	OJ990323_03.9A18.C21
Gene No.	2488	Strand	+
Start	1	End	1524

Name	OJ990323_03.9A18.C21.ol.gs	Method	GENSCAN
Start	5	End	1367
GI	none	Score	.93
Exons	5..105, 382..502, 600..773, 883..990, 1113..1367		

Seq. No.	1221	Seq. ID	OJ990323_03.9A18.C21
Gene No.	2488	Strand	+
Start	1	End	1524

Name	OJ990323_03.9A18.C21.ol.gp	Method	AAT/GAP
Start	885	End	1524
GI	uC-osf1M202081g05b1	Score	991
Exons	885..990, 1113..1524		
GI Descrip.	'1362152/pir S56639 9.0e-66 ribosomal protein S6 kinase homolog (clone Aspk11) - oat >gi_871986_emb_CAA56313_(X79992) putative pp70 ribosomal protein S6 kinase [Avena sativa]'		

Seq. No.	1221	Seq. ID	OJ990323_03.9A18.C21
Gene No.	2488	Strand	+
Start	1	End	1524

Name	OJ990323_03.9A18.C21.ol.tw	Method	TBLASTX:Wheat
Start	1155	End	1420
GI	none	Score	432
Exons	1155..1415, 1157..1420, 1169..1360, 1221..1415		

Seq. No.	1222	Seq. ID	OJ990323_03.9A18.C23
Gene No.	2489	Strand	+
Start	1	End	5453

Name	OJ990323_03.9A18.C23.ol.np	Method	AAT/NAP
Start	1	End	2875
GI	5042438	Score	227
Exons	1..72, 838..1503, 2798..2875		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	1222	Seq. ID	OJ990323_03.9A18.C23
Gene No.	2489	Strand	+
Start	1	End	5453

Name	OJ990323_03.9A18.C23.ol.gs	Method	GENSCAN
Start	421	End	5453
GI	none	Score	.91
Exons	421..1510, 2266..2323, 2439..2473, 2722..2801, 5340..5453		

Seq. No.	1222	Seq. ID	OJ990323_03.9A18.C23
Gene No.	2489	Strand	+
Start	1	End	5453

Name	OJ990323_03.9A18.C23.ol.gp	Method	AAT/GAP
Start	620	End	1093
GI	LIB3432-044-P1-K1-F3	Score	882
Exons	620..1093		
GI Descrip.	'5042438/gb AAD38275.1 AC007789 1 5.0e-12 (AC007789) hypothetical protein [Oryza sativa]'		

Seq. No.	1222	Seq. ID	OJ990323_03.9A18.C23
Gene No.	2490	Strand	+
Start	7598	End	15375

Name	OJ990323_03.9A18.C23.o2.np	Method	AAT/NAP
Start	6624	End	6708
GI	6721547	Score	89

Exons 6624..6708
GI Descrip. (AP001073) Similar to Oryza sativa gene for Pib. (AB013448)

Seq. No. 1222 Seq. ID OJ990323_03.9A18.C23
Gene No. 2490 Strand +
Start 7598 End 15375
Name OJ990323_03.9A18.C23.o2.gs Method GENSCAN
Start 7598 End 11186
GI none Score .62
Exons 7598..7682, 8733..8804, 8882..9030, 9234..9341, 9497..9646,
9806..10170, 10925..11186

Seq. No. 1222 Seq. ID OJ990323_03.9A18.C23
Gene No. 2490 Strand +
Start 7598 End 15375
Name OJ990323_03.9A18.C23.o3.np Method AAT/NAP
Start 7598 End 7682
GI 6721547 Score 84
Exons 7598..7682
GI Descrip. (AP001073) Similar to Oryza sativa gene for Pib. (AB013448)

Seq. No. 1222 Seq. ID OJ990323_03.9A18.C23
Gene No. 2490 Strand +
Start 7598 End 15375
Name OJ990323_03.9A18.C23.o4.gp Method AAT/GAP
Start 8524 End 9881
GI 7392_1.R1084 Score 1255
Exons 8524..8658, 8733..8800, 8882..9004, 9497..9881
GI Descrip. '2500354/sp|P93847|RL10_SOLME 1.0e-35 60S RIBOSOMAL PROTEIN L10
(EQM) >gi_1902894_dbj_BAA19462_ (AB001891) QM family protein
[Solanum melongena]'

Seq. No. 1222 Seq. ID OJ990323_03.9A18.C23
Gene No. 2490 Strand +
Start 7598 End 15375
Name OJ990323_03.9A18.C23.o5.gp Method AAT/GAP
Start 9982 End 10381
GI LIB3432-040-P1-K1-C12 Score 596
Exons 9982..10007, 10069..10381
GI Descrip. '6015437/dbj|AB008112.1|AB008112 4.0e-10 Homo sapiens PEX1 mRNA,
complete cds'

Seq. No. 1222 Seq. ID OJ990323_03.9A18.C23
Gene No. 2490 Strand +
Start 7598 End 15375
Name OJ990323_03.9A18.C23.o5.np Method AAT/NAP
Start 10985 End 13427
GI 1362152 Score 262
Exons 10985..11006, 13257..13427
GI Descrip. ribosomal protein S6 kinase homolog (clone Aspk11) - oat
gi|871986|emb|CAA56313| (X79992) putative pp70 ribosomal protein
S6 kinase [Avena sativa]

Seq. No. 1222 Seq. ID OJ990323_03.9A18.C23
Gene No. 2490 Strand +
Start 7598 End 15375
Name OJ990323_03.9A18.C23.o4.gs Method GENSCAN

Start	12126	End	15375
GI	none	Score	.57
Exons	12126..12410, 12471..12619, 13244..13385, 14107..14242, 14286..14718, 14763..15375		

Seq. No.	1222	Seq. ID	OJ990323_03.9A18.C23
Gene No.	2491	Strand	+
Start	16086	End	16943
Name	OJ990323_03.9A18.C23.o8.gp	Method	AAT/GAP
Start	16086	End	16943
GI	3266 1.R1084	Score	1535
Exons	16086..16943		
GI Descrip.	'2809245 1.0e-41 (AC002560) F21B7.14 [Arabidopsis thaliana]'		

Seq. No.	1222	Seq. ID	OJ990323_03.9A18.C23
Gene No.	2492	Strand	+
Start	24323	End	24489
Name	OJ990323_03.9A18.C23.o10.gp	Method	AAT/GAP
Start	24323	End	24489
GI	533 1.R1084	Score	167
Exons	24323..24376, 24399..24489		
GI Descrip.	'113172/sp P15543 ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir_S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	1222	Seq. ID	OJ990323_03.9A18.C23
Gene No.	2493	Strand	-
Start	2424	End	3084
Name	OJ990323_03.9A18.C23.o2.gp	Method	AAT/GAP
Start	2424	End	3084
GI	none	Score	1196
Exons	2424..3084		

Seq. No.	1222	Seq. ID	OJ990323_03.9A18.C23
Gene No.	2494	Strand	-
Start	11447	End	11781
Name	OJ990323_03.9A18.C23.o3.gs	Method	GENSCAN
Start	11447	End	11781
GI	none	Score	.82
Exons	11447..11633, 11678..11781		

Seq. No.	1222	Seq. ID	OJ990323_03.9A18.C23
Gene No.	2495	Strand	-
Start	12647	End	14861
Name	OJ990323_03.9A18.C23.o4.np	Method	AAT/NAP
Start	12647	End	14861
GI	2809245	Score	130
Exons	12647..12706, 12913..13019, 14823..14861		
GI Descrip.	(AC002560) F21B7.14 [Arabidopsis thaliana]		

Seq. No.	1222	Seq. ID	OJ990323_03.9A18.C23
Gene No.	2495	Strand	-
Start	12647	End	14861
Name	OJ990323_03.9A18.C23.o7.gp	Method	AAT/GAP
Start	13012	End	13542
GI	uC-osf1M202081g05b1	Score	583

Exons 13012..13046, 13248..13542
 GI Descrip. '1362152/pir||S56639 9.0e-66 ribosomal protein S6 kinase homolog
 (clone Aspk11) - oat >gi_871986_emb_CAA56313_ (X79992) putative
 pp70 ribosomal protein S6 kinase [Avena sativa]'

Seq. No. 1222 Seq. ID OJ990323_03.9A18.C23
 Gene No. 2496 Strand -
 Start 15695 End 23471
 Name OJ990323_03.9A18.C23.o1.tm Method TBLASTX:Maize
 Start 12638 End 16643
 GI none Score 75
 Exons 12638..12706, 12645..12716, 12647..12712, 12908..12979,
 12913..12963, 12965..13021, 12966..13016, 16285..16635,
 16308..16643

Seq. No. 1222 Seq. ID OJ990323_03.9A18.C23
 Gene No. 2496 Strand -
 Start 15695 End 23471
 Name OJ990323_03.9A18.C23.o1.tc Method TBLASTX:Cress
 Start 12644 End 16638
 GI none Score 62
 Exons 12644..12706, 12931..12963, 12965..13021, 16314..16391,
 16315..16392, 16392..16526, 16393..16515, 16527..16637,
 16585..16638

Seq. No. 1222 Seq. ID OJ990323_03.9A18.C23
 Gene No. 2496 Strand -
 Start 15695 End 23471
 Name OJ990323_03.9A18.C23.o1.ts Method TBLASTX:Soybean
 Start 12644 End 16643
 GI none Score 63
 Exons 12644..12706, 12913..12963, 12914..12979, 12962..13015,
 12965..13021, 16314..16643, 16321..16638

Seq. No. 1222 Seq. ID OJ990323_03.9A18.C23
 Gene No. 2496 Strand -
 Start 15695 End 23471
 Name OJ990323_03.9A18.C23.o3.tm Method TBLASTX:Maize
 Start 13243 End 13449
 GI none Score 147
 Exons 13243..13449, 13250..13387, 13257..13433, 13264..13437

Seq. No. 1222 Seq. ID OJ990323_03.9A18.C23
 Gene No. 2496 Strand -
 Start 15695 End 23471
 Name OJ990323_03.9A18.C23.o1.tw Method TBLASTX:Wheat
 Start 13253 End 13434
 GI none Score 295
 Exons 13253..13378, 13257..13433, 13263..13433, 13264..13434

Seq. No. 1222 Seq. ID OJ990323_03.9A18.C23
 Gene No. 2496 Strand -
 Start 15695 End 23471
 Name OJ990323_03.9A18.C23.o5.gs Method GENSCAN
 Start 15695 End 23471
 GI none Score .56
 Exons 15695..15857, 16318..16823, 18760..18845, 19410..19618,

19661..19806, 20415..20515, 20584..20635, 20736..20791,
20877..20982, 21537..21616, 21668..21955, 22952..23060,
23292..23471

Seq. No.	1222	Seq. ID	OJ990323_03.9A18.C23
Gene No.	2496	Strand	-
Start	15695	End	23471
Name	OJ990323_03.9A18.C23.o6.np	Method	AAT/NAP
Start	16317	End	16840
GI	2809245	Score	400
Exons	16317..16840		
GI Descrip.	(AC002560) F21B7.14 [Arabidopsis thaliana]		

Seq. No.	1222	Seq. ID	OJ990323_03.9A18.C23
Gene No.	2496	Strand	-
Start	15695	End	23471
Name	OJ990323_03.9A18.C23.o2.tm	Method	TBLASTX:Maize
Start	17172	End	21007
GI	none	Score	45
Exons	17172..17318, 17331..17414, 17333..17428, 17340..17414, 18746..18844, 18748..18846, 18760..18846, 18764..18850, 19390..19632, 19409..19555, 19653..19703, 19660..19809, 19661..19807, 19663..19809, 19737..19811, 20400..20516, 20412..20465, 20416..20469, 20459..20518, 20733..20780, 20735..20782, 20861..21007, 20878..20982		

Seq. No.	1222	Seq. ID	OJ990323_03.9A18.C23
Gene No.	2496	Strand	-
Start	15695	End	23471
Name	OJ990323_03.9A18.C23.o2.ts	Method	TBLASTX:Soybean
Start	17333	End	20982
GI	none	Score	98
Exons	17333..17428, 17337..17411, 18760..18846, 18764..18844, 18788..18847, 19393..19632, 19407..19532, 19409..19555, 19652..19807, 19660..19809, 19660..19809, 20412..20459, 20415..20495, 20734..20766, 20878..20937, 20914..20982		

Seq. No.	1222	Seq. ID	OJ990323_03.9A18.C23
Gene No.	2496	Strand	-
Start	15695	End	23471
Name	OJ990323_03.9A18.C23.o7.np	Method	AAT/NAP
Start	17336	End	21823
GI	3122234	Score	1059
Exons	17336..17410, 18760..18845, 19410..19552, 19661..19806, 20415..20515, 20584..20635, 20736..20791, 20877..20982, 21779..21823		
GI Descrip.	EUKARYOTIC TRANSLATION INITIATION FACTOR 2 BETA SUBUNIT (EIF-2-BETA) (P38) gi 2306768 (U87163) eIF-2 beta subunit [Triticum aestivum]		

Seq. No.	1222	Seq. ID	OJ990323_03.9A18.C23
Gene No.	2496	Strand	-
Start	15695	End	23471
Name	OJ990323_03.9A18.C23.o2.tc	Method	TBLASTX:Cress
Start	18760	End	20459
GI	none	Score	71
Exons	18760..18843, 18764..18838, 19393..19632, 19405..19551,		

19409..19555, 19652..19807, 19660..19809, 19660..19818,
20412..20459

Seq. No.	1222	Seq. ID	OJ990323_03.9A18.C23
Gene No.	2496	Strand	-
Start	15695	End	23471
Name	OJ990323_03.9A18.C23.o9.gp	Method	AAT/GAP
Start	19762	End	22118
GI	28160_1.R1084	Score	1029
Exons	19762..19806, 20415..20515, 20584..20635, 20736..20791, 20877..20982, 21779..21885, 21961..22118		
GI Descrip.	'3122234/sp O24473 IF2B WHEAT 2.0e-30 EUKARYOTIC TRANSLATION INITIATION FACTOR 2 BETA SUBUNIT (EIF-2-BETA) (P38) >gi_2306768 (U87163) eIF-2 beta subunit [Triticum aestivum]'		

Seq. No.	1223	Seq. ID	OJ990323_03.9A18.C24
Gene No.	2497	Strand	-
Start	535	End	1356
Name	OJ990323_03.9A18.C24.o1.gp	Method	AAT/GAP
Start	535	End	983
GI	2317527	Score	775
Exons	535..983		

Seq. No.	1223	Seq. ID	OJ990323_03.9A18.C24
Gene No.	2497	Strand	-
Start	535	End	1356
Name	OJ990323_03.9A18.C24.o1.tm	Method	TBLASTX:Maize
Start	565	End	1356
GI	none	Score	39
Exons	565..597, 578..637, 600..638, 657..689, 664..690, 678..755, 692..745, 748..1353, 768..1355, 781..1356		

Seq. No.	1223	Seq. ID	OJ990323_03.9A18.C24
Gene No.	2497	Strand	-
Start	535	End	1356
Name	OJ990323_03.9A18.C24.o1.ts	Method	TBLASTX:Soybean
Start	810	End	1355
GI	none	Score	61
Exons	810..911, 813..905, 814..915, 1011..1352, 1020..1355, 1021..1353		

Seq. No.	1223	Seq. ID	OJ990323_03.9A18.C24
Gene No.	2497	Strand	-
Start	535	End	1356
Name	OJ990323_03.9A18.C24.o1.tc	Method	TBLASTX:Cress
Start	816	End	1355
GI	none	Score	108
Exons	816..905, 820..912, 999..1355, 1009..1350, 1023..1355		

Seq. No.	1223	Seq. ID	OJ990323_03.9A18.C24
Gene No.	2497	Strand	-
Start	535	End	1356
Name	OJ990323_03.9A18.C24.o1.np	Method	AAT/NAP
Start	819	End	1356
GI	6572076	Score	596
Exons	819..1356		
GI Descrip.	(AL133452) receptor-protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2498	Strand	+
Start	3655	End	5213
Name	OJ990323_03.9A18.C25.o2.gs	Method	GENSCAN
Start	3655	End	5213
GI	none	Score	.79
Exons	3655..3736, 4522..4769, 4798..4893, 4902..5213		

Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2499	Strand	-
Start	1	End	189
Name	OJ990323_03.9A18.C25.o1.np	Method	AAT/NAP
Start	1	End	189
GI	4680186	Score	187
Exons	1..189		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2500	Strand	-
Start	499	End	4131
Name	OJ990323_03.9A18.C25.o2.np	Method	AAT/NAP
Start	499	End	4131
GI	6539581	Score	2128
Exons	499..645, 720..2559, 2665..2844, 4112..4131		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2500	Strand	-
Start	499	End	4131
Name	OJ990323_03.9A18.C25.o1.gp	Method	AAT/GAP
Start	3708	End	4090
GI	2427387	Score	508
Exons	3708..4090		
GI Descrip.	5852170/emb AL117265.1 OST17804 3.0e-94 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2501	Strand	-
Start	5799	End	10243
Name	OJ990323_03.9A18.C25.o3.np	Method	AAT/NAP
Start	5799	End	10243
GI	4680179	Score	5607
Exons	5799..9155, 9183..10243		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o9.tw	Method	TBLASTX:Wheat
Start	1678	End	2109
GI	none	Score	66
Exons	1678..2109, 1679..1873		

Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-

Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o2.ts	Method	TBLASTX:Soybean
Start	1741	End	2284
GI	none	Score	140
Exons	1741..2283, 1948..2283, 2132..2284		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o6.tm	Method	TBLASTX:Maize
Start	1960	End	2343
GI	none	Score	158
Exons	1960..2343, 1981..2340		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o1.tc	Method	TBLASTX:Cress
Start	2029	End	2349
GI	none	Score	66
Exons	2029..2349, 2128..2322		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o8.tw	Method	TBLASTX:Wheat
Start	2176	End	2568
GI	none	Score	66
Exons	2176..2466, 2470..2568		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o8.tm	Method	TBLASTX:Maize
Start	2344	End	2565
GI	none	Score	231
Exons	2344..2565		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o7.tw	Method	TBLASTX:Wheat
Start	5844	End	6175
GI	none	Score	73
Exons	5844..6101, 5895..6026, 5896..6081, 6103..6174, 6104..6175		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o1.tm	Method	TBLASTX:Maize
Start	6039	End	6622
GI	none	Score	68
Exons	6039..6101, 6100..6462, 6104..6244, 6302..6463, 6460..6621, 6467..6622		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-

Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o1.tw	Method	TBLASTX:Wheat
Start	6175	End	6801
GI	none	Score	182
Exons	6175..6801, 6217..6630, 6290..6799		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o3.tm	Method	TBLASTX:Maize
Start	6670	End	6961
GI	none	Score	284
Exons	6670..6960, 6674..6961, 6674..6961		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o3.ts	Method	TBLASTX:Soybean
Start	6760	End	7020
GI	none	Score	197
Exons	6760..7020, 6761..7009		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o2.tc	Method	TBLASTX:Cress
Start	6784	End	7110
GI	none	Score	85
Exons	6784..6927, 6785..6925, 6928..7110		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o2.tw	Method	TBLASTX:Wheat
Start	6807	End	7347
GI	none	Score	134
Exons	6807..7073, 6808..7347, 6812..7165		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o2.tm	Method	TBLASTX:Maize
Start	7350	End	7706
GI	none	Score	205
Exons	7350..7706, 7351..7701		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o3.tw	Method	TBLASTX:Wheat
Start	7353	End	7778
GI	none	Score	221
Exons	7353..7778, 7356..7703, 7360..7776		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265

Name	OJ990323_03.9A18.C25.o4.ts	Method	TBLASTX:Soybean
Start	7524	End	7772
GI	none	Score	206
Exons	7524..7772		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o5.tm	Method	TBLASTX:Maize
Start	7713	End	8060
GI	none	Score	143
Exons	7713..8060, 7714..7992		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o5.tw	Method	TBLASTX:Wheat
Start	7779	End	8081
GI	none	Score	255
Exons	7779..8081, 7780..8040		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o1.ts	Method	TBLASTX:Soybean
Start	7794	End	8189
GI	none	Score	186
Exons	7794..8153, 7804..8037, 8110..8151, 8157..8189, 8157..8189		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o4.tm	Method	TBLASTX:Maize
Start	8076	End	8547
GI	none	Score	79
Exons	8076..8543, 8109..8531, 8110..8547		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o4.tw	Method	TBLASTX:Wheat
Start	8130	End	8613
GI	none	Score	203
Exons	8130..8612, 8133..8588, 8173..8613		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o5.ts	Method	TBLASTX:Soybean
Start	8262	End	8576
GI	none	Score	199
Exons	8262..8576		
Seq. No.	1224	Seq. ID	OJ990323_03.9A18.C25
Gene No.	2502	Strand	-
Start	10471	End	11265
Name	OJ990323_03.9A18.C25.o9.tm	Method	TBLASTX:Maize

Start 8550
 GI none
 Exons 8550..8741, 8596..8703

End 8741
 Score 106

Seq. No. 1224
 Gene No. 2502
 Start 10471
 Name OJ990323_03.9A18.C25.o10.tw
 Start 8745
 GI none
 Exons 8745..9098

Seq. ID OJ990323_03.9A18.C25
 Strand -
 End 11265
 Method TBLASTX:Wheat
 End 9098
 Score 223

Seq. No. 1224
 Gene No. 2502
 Start 10471
 Name OJ990323_03.9A18.C25.o6.tw
 Start 9432
 GI none
 Exons 9432..9782, 9588..9785

Seq. ID OJ990323_03.9A18.C25
 Strand -
 End 11265
 Method TBLASTX:Wheat
 End 9785
 Score 74

Seq. No. 1224
 Gene No. 2502
 Start 10471
 Name OJ990323_03.9A18.C25.o7.tm
 Start 9444
 GI none
 Exons 9444..9782

Seq. ID OJ990323_03.9A18.C25
 Strand -
 End 11265
 Method TBLASTX:Maize
 End 9782
 Score 248

Seq. No. 1224
 Gene No. 2502
 Start 10471
 Name OJ990323_03.9A18.C25.o11.tw
 Start 9837
 GI none
 Exons 9837..10031, 9841..10032

Seq. ID OJ990323_03.9A18.C25
 Strand -
 End 11265
 Method TBLASTX:Wheat
 End 10032
 Score 124

Seq. No. 1224
 Gene No. 2502
 Start 10471
 Name OJ990323_03.9A18.C25.o4.np
 Start 10469
 GI 4512231
 Exons 10469..11265
 GI Descrip. (AB014741) ORF0 protein [Oryza sativa]

Seq. ID OJ990323_03.9A18.C25
 Strand -
 End 11265
 Method AAT/NAP
 End 11265
 Score 1276

Seq. No. 1224
 Gene No. 2502
 Start 10471
 Name OJ990323_03.9A18.C25.o4.gs
 Start 10471
 GI none
 Exons 10471..11265

Seq. ID OJ990323_03.9A18.C25
 Strand -
 End 11265
 Method GENSCAN
 End 11265
 Score .97

Seq. No. 1225
 Gene No. 2503
 Start 173
 Name OJ990323_03.9A18.C26.o1.gs

Seq. ID OJ990323_03.9A18.C26
 Strand +
 End 499
 Method GENSCAN

Start 173
GI none
Exons 173..499

End 499
Score .91

Seq. No. 1226
Gene No. 2504
Start 1
Name OJ990323_03.9A18.C27.o1.gp
Start 1
GI uC-osf1M202081g05b1
Exons 1..103
GI Descrip. '1362152/pir||S56639 9.0e-66 ribosomal protein S6 kinase homolog (clone Aspk11) - oat >gi 871986_emb_CAA56313_ (X79992) putative pp70 ribosomal protein S6 kinase [Avena sativa]'

Seq. ID OJ990323_03.9A18.C27
Strand +
End 103
Method AAT/GAP
End 103
Score 197

Seq. No. 1226
Gene No. 2505
Start 285
Name OJ990323_03.9A18.C27.o1.gs
Start 285
GI none
Exons 285..312

Seq. ID OJ990323_03.9A18.C27
Strand -
End 312
Method GENSCAN
End 312
Score .72

Seq. No. 1227
Gene No. 2506
Start 1
Name OJ990323_03.9A18.C30.o1.np
Start 1
GI 6572076
Exons 1..1537
GI Descrip. (AL133452) receptor-protein kinase-like protein [Arabidopsis thaliana]

Seq. ID OJ990323_03.9A18.C30
Strand -
End 1537
Method AAT/NAP
End 1537
Score 1823

Seq. No. 1227
Gene No. 2506
Start 1
Name OJ990323_03.9A18.C30.o1.tm
Start 58
GI none
Exons 58..816, 58..816, 641..823, 787..861, 827..880, 827..928, 838..891

Seq. ID OJ990323_03.9A18.C30
Strand -
End 1537
Method TBLASTX:Maize
End 928
Score 896

Seq. No. 1227
Gene No. 2506
Start 1
Name OJ990323_03.9A18.C30.o1.ts
Start 58
GI none
Exons 58..861, 59..418, 67..843, 291..860

Seq. ID OJ990323_03.9A18.C30
Strand -
End 1537
Method TBLASTX:Soybean
End 861
Score 441

Seq. No. 1227
Gene No. 2506
Start 1
Name OJ990323_03.9A18.C30.o1.tc
Start 116
GI none
Exons 116..418, 127..672, 151..672

Seq. ID OJ990323_03.9A18.C30
Strand -
End 1537
Method TBLASTX:Cress
End 672
Score 336

Seq. No.	1227	Seq. ID	OJ990323_03.9A18.C30
Gene No.	2506	Strand	-
Start	1	End	1537
Name	OJ990323_03.9A18.C30.o1.tw	Method	TBLASTX:Wheat
Start	212	End	636
GI	none	Score	312
Exons	212..412, 214..633, 214..636		

Seq. No.	1227	Seq. ID	OJ990323_03.9A18.C30
Gene No.	2506	Strand	-
Start	1	End	1537
Name	OJ990323_03.9A18.C30.o2.tc	Method	TBLASTX:Cress
Start	955	End	1449
GI	none	Score	100
Exons	955..1122, 974..1132, 1120..1449, 1121..1417		

Seq. No.	1227	Seq. ID	OJ990323_03.9A18.C30
Gene No.	2506	Strand	-
Start	1	End	1537
Name	OJ990323_03.9A18.C30.o2.ts	Method	TBLASTX:Soybean
Start	964	End	1302
GI	none	Score	76
Exons	964..1101, 966..1097, 973..1131, 974..1132, 1105..1155, 1165..1302, 1172..1285		

Seq. No.	1227	Seq. ID	OJ990323_03.9A18.C30
Gene No.	2506	Strand	-
Start	1	End	1537
Name	OJ990323_03.9A18.C30.o2.tm	Method	TBLASTX:Maize
Start	965	End	1257
GI	none	Score	164
Exons	965..1156, 967..1155, 967..1185, 971..1186, 1153..1257, 1154..1249		

Seq. No.	1227	Seq. ID	OJ990323_03.9A18.C30
Gene No.	2506	Strand	-
Start	1	End	1537
Name	OJ990323_03.9A18.C30.o3.tm	Method	TBLASTX:Maize
Start	1258	End	1533
GI	none	Score	91
Exons	1258..1533, 1301..1528		

Seq. No.	1228	Seq. ID	OJ990323_03.9A18.C31
Gene No.	2507	Strand	-
Start	1	End	10280
Name	OJ990323_03.9A18.C31.o1.np	Method	AAT/NAP
Start	1	End	523
GI	6572076	Score	261
Exons	1..428, 465..523		
GI Descrip.	(AL133452) receptor-protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	1228	Seq. ID	OJ990323_03.9A18.C31
Gene No.	2507	Strand	-
Start	1	End	10280
Name	OJ990323_03.9A18.C31.o1.tc	Method	TBLASTX:Cress

Start 2
 GI none
 Exons 2..82, 101..265, 102..266

End 266
 Score 105

Seq. No. 1228 Seq. ID OJ990323_03.9A18.C31
 Gene No. 2507 Strand -
 Start 1 End 10280
 Name OJ990323_03.9A18.C31.o1.gs Method GENSCAN
 Start 23 End 5645
 GI none Score .53
 Exons 23..637, 892..941, 1551..1610, 1679..1748, 2057..2150,
 2282..2391, 2472..2675, 2752..3018, 3834..4043, 4284..4523,
 5253..5471, 5557..5622, 5628..5645

Seq. No. 1228 Seq. ID OJ990323_03.9A18.C31
 Gene No. 2507 Strand -
 Start 1 End 10280
 Name OJ990323_03.9A18.C31.o5.ts Method TBLASTX:Soybean
 Start 104 End 400
 GI none Score 94
 Exons 104..265, 105..266, 299..334, 356..400

Seq. No. 1228 Seq. ID OJ990323_03.9A18.C31
 Gene No. 2507 Strand -
 Start 1 End 10280
 Name OJ990323_03.9A18.C31.o2.np Method AAT/NAP
 Start 2204 End 10280
 GI 1136434 Score 1239
 Exons 2204..2391, 2472..2675, 2752..2971, 3823..4043, 4284..4523,
 5253..5498, 5903..6283, 6797..7008, 7171..7379, 7729..8321,
 8995..9215, 9637..9851, 10169..10280
 GI Descrip. (D80009) KIAA0187 [Homo sapiens]

Seq. No. 1228 Seq. ID OJ990323_03.9A18.C31
 Gene No. 2507 Strand -
 Start 1 End 10280
 Name OJ990323_03.9A18.C31.o1.tm Method TBLASTX:Maize
 Start 2240 End 2893
 GI none Score 118
 Exons 2240..2320, 2471..2572, 2472..2573, 2472..2573, 2473..2664,
 2554..2676, 2565..2687, 2568..2678, 2745..2891, 2752..2892,
 2753..2893

Seq. No. 1228 Seq. ID OJ990323_03.9A18.C31
 Gene No. 2507 Strand -
 Start 1 End 10280
 Name OJ990323_03.9A18.C31.o1.gp Method AAT/GAP
 Start 2362 End 3000
 GI LIB3479-005-Q6-K1-F3 Score 922
 Exons 2362..2391, 2472..2675, 2752..3000
 GI Descrip. '1136434/dbj|BAA11504| 2.0e-31 (D80009) KIAA0187 [Homo sapiens]'

Seq. No. 1228 Seq. ID OJ990323_03.9A18.C31
 Gene No. 2507 Strand -
 Start 1 End 10280
 Name OJ990323_03.9A18.C31.o2.tc Method TBLASTX:Cress
 Start 2478 End 2784

GI	none	Score	104
Exons	2478..2687, 2479..2673, 2746..2784		
Seq. No.	1228	Seq. ID	OJ990323_03.9A18.C31
Gene No.	2507	Strand	-
Start	1	End	10280
Name	OJ990323_03.9A18.C31.o3.tm	Method	TBLASTX:Maize
Start	2894	End	4041
GI	none	Score	173
Exons	2894..3019, 2894..3019, 2895..3020, 2896..3021, 2896..3021, 3815..4027, 3829..4026, 3834..4040, 3834..4040, 3835..4041		
Seq. No.	1228	Seq. ID	OJ990323_03.9A18.C31
Gene No.	2507	Strand	-
Start	1	End	10280
Name	OJ990323_03.9A18.C31.o1.ts	Method	TBLASTX:Soybean
Start	3822	End	4505
GI	none	Score	219
Exons	3822..4049, 3823..4038, 3834..4049, 4270..4503, 4284..4502, 4331..4504, 4332..4505		
Seq. No.	1228	Seq. ID	OJ990323_03.9A18.C31
Gene No.	2507	Strand	-
Start	1	End	10280
Name	OJ990323_03.9A18.C31.o2.tm	Method	TBLASTX:Maize
Start	4294	End	5337
GI	none	Score	76
Exons	4294..4347, 4296..4343, 4335..4532, 4337..4504, 4342..4530, 5243..5335, 5247..5336, 5248..5337, 5251..5337		
Seq. No.	1228	Seq. ID	OJ990323_03.9A18.C31
Gene No.	2507	Strand	-
Start	1	End	10280
Name	OJ990323_03.9A18.C31.o3.ts	Method	TBLASTX:Soybean
Start	5259	End	5474
GI	none	Score	125
Exons	5259..5372, 5260..5364, 5376..5474, 5377..5472		
Seq. No.	1228	Seq. ID	OJ990323_03.9A18.C31
Gene No.	2507	Strand	-
Start	1	End	10280
Name	OJ990323_03.9A18.C31.o2.gs	Method	GENSCAN
Start	5888	End	9847
GI	none	Score	.83
Exons	5888..6262, 6762..6946, 7210..7303, 7958..8343, 8978..9215, 9637..9847		
Seq. No.	1228	Seq. ID	OJ990323_03.9A18.C31
Gene No.	2507	Strand	-
Start	1	End	10280
Name	OJ990323_03.9A18.C31.o1.tw	Method	TBLASTX:Wheat
Start	8214	End	9742
GI	none	Score	166
Exons	8214..8345, 8216..8353, 8216..8344, 8965..9216, 8976..9236, 8979..9218, 9616..9741, 9635..9742		
Seq. No.	1228	Seq. ID	OJ990323_03.9A18.C31

Gene No.	2507	Strand	-
Start	1	End	10280
Name	OJ990323_03.9A18.C31.o4.ts	Method	TBLASTX:Soybean
Start	8217	End	9162
GI	none	Score	88
Exons	8217..8348, 8219..8344, 8976..9161, 8977..9162		
Seq. No.	1228	Seq. ID	OJ990323_03.9A18.C31
Gene No.	2507	Strand	-
Start	1	End	10280
Name	OJ990323_03.9A18.C31.o2.ts	Method	TBLASTX:Soybean
Start	9168	End	9831
GI	none	Score	138
Exons	9168..9236, 9634..9831, 9635..9826		
Seq. No.	1229	Seq. ID	OJ990323_03.9A18.C32
Gene No.	2508	Strand	-
Start	1	End	1400
Name	OJ990323_03.9A18.C32.o1.np	Method	AAT/NAP
Start	1	End	1400
GI	1136434	Score	510
Exons	1..199, 493..611, 725..815, 883..1034, 1341..1400		
GI Descrip.	(D80009) KIAA0187 [Homo sapiens]		
Seq. No.	1229	Seq. ID	OJ990323_03.9A18.C32
Gene No.	2508	Strand	-
Start	1	End	1400
Name	OJ990323_03.9A18.C32.o1.gs	Method	GENSCAN
Start	9	End	1029
GI	none	Score	.93
Exons	9..199, 493..611, 725..815, 883..1029		
Seq. No.	1230	Seq. ID	OJ990323_03.9A18.C33
Gene No.	2509	Strand	-
Start	110	End	1429
Name	OJ990323_03.9A18.C33.o1.gs	Method	GENSCAN
Start	110	End	1429
GI	none	Score	.88
Exons	110..247, 573..632, 743..805, 1367..1429		
Seq. No.	1231	Seq. ID	OJ990323_03.9A18.C35
Gene No.	2510	Strand	-
Start	111	End	715
Name	OJ990323_03.9A18.C35.o1.gs	Method	GENSCAN
Start	111	End	715
GI	none	Score	.9
Exons	111..174, 289..343, 436..613, 696..715		
Seq. No.	1232	Seq. ID	OJ990323_03.9A18.C37
Gene No.	2511	Strand	+
Start	1	End	271
Name	OJ990323_03.9A18.C37.o1.gp	Method	AAT/GAP
Start	1	End	271
GI	28160_1.R1084	Score	346
Exons	1..89, 165..271		
GI Descrip.	'3122234/sp O24473 IF2B_WHEAT 2.0e-30 EUKARYOTIC TRANSLATION INITIATION FACTOR 2 BETA SUBUNIT (EIF-2-BETA) (P38) >gi_2306768		

(U87163) eIF-2 beta subunit [Triticum aestivum]'

Seq. No.	1232	Seq. ID	OJ990323_03.9A18.C37
Gene No.	2511	Strand	+
Start	1	End	271
Name	OJ990323_03.9A18.C37.o1.gs	Method	GENSCAN
Start	165	End	271
GI	none	Score	.89
Exons	165..271		

Seq. No.	1233	Seq. ID	OJ990323_03.9A18.C38
Gene No.	2512	Strand	-
Start	1	End	666
Name	OJ990323_03.9A18.C38.o1.np	Method	AAT/NAP
Start	1	End	561
GI	6630696	Score	822
Exons	1..561		

GI Descrip. (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No.	1233	Seq. ID	OJ990323_03.9A18.C38
Gene No.	2512	Strand	-
Start	1	End	666
Name	OJ990323_03.9A18.C38.o1.gs	Method	GENSCAN
Start	31	End	561
GI	none	Score	.69
Exons	31..561		

Seq. No.	1233	Seq. ID	OJ990323_03.9A18.C38
Gene No.	2512	Strand	-
Start	1	End	666
Name	OJ990323_03.9A18.C38.o1.tm	Method	TBLASTX:Maize
Start	211	End	483
GI	none	Score	82
Exons	211..285, 287..406, 287..352, 349..483, 356..472		

Seq. No.	1233	Seq. ID	OJ990323_03.9A18.C38
Gene No.	2512	Strand	-
Start	1	End	666
Name	OJ990323_03.9A18.C38.o1.tw	Method	TBLASTX:Wheat
Start	283	End	666
GI	none	Score	87
Exons	283..354, 287..376, 287..352, 289..354, 344..454, 349..480, 354..452, 356..529, 535..666		

Seq. No.	1234	Seq. ID	OJ990323_03.9A18.C39
Gene No.	2513	Strand	-
Start	1	End	626
Name	OJ990323_03.9A18.C39.o1.np	Method	AAT/NAP
Start	1	End	626
GI	1136434	Score	258
Exons	1..250, 327..626		
GI Descrip.	(D80009) KIAA0187 [Homo sapiens]		

Seq. No.	1234	Seq. ID	OJ990323_03.9A18.C39
Gene No.	2513	Strand	-

Start	1	End	626
Name	OJ990323_03.9A18.C39.ol.gp	Method	AAT/GAP
Start	20	End	558
GI	LIB3479-005-Q6-K1-F3	Score	814
Exons	20..250, 327..558		
GI Descrip.	'1136434/dbj BAA11504 2.0e-31 (D80009) KIAA0187 [Homo sapiens]'		

Seq. No.	1234	Seq. ID	OJ990323_03.9A18.C39
Gene No.	2513	Strand	-
Start	1	End	626
Name	OJ990323_03.9A18.C39.ol.tm	Method	TBLASTX:Maize
Start	43	End	468
GI	none	Score	97
Exons	43..159, 45..146, 46..147, 47..148, 48..239, 129..251, 140..262, 143..253, 321..467, 327..467, 328..468		

Seq. No.	1234	Seq. ID	OJ990323_03.9A18.C39
Gene No.	2513	Strand	-
Start	1	End	626
Name	OJ990323_03.9A18.C39.ol.gs	Method	GENSCAN
Start	47	End	250
GI	none	Score	.61
Exons	47..250		

Seq. No.	1234	Seq. ID	OJ990323_03.9A18.C39
Gene No.	2513	Strand	-
Start	1	End	626
Name	OJ990323_03.9A18.C39.ol.tc	Method	TBLASTX:Cress
Start	53	End	359
GI	none	Score	104
Exons	53..262, 54..248, 321..359		

Seq. No.	1235	Seq. ID	OJ990323_03.9A18.C40
Gene No.	2514	Strand	+
Start	1	End	407
Name	OJ990323_03.9A18.C40.ol.np	Method	AAT/NAP
Start	1	End	360
GI	3122234	Score	182
Exons	1..39, 140..191, 260..360		
GI Descrip.	EUKARYOTIC TRANSLATION INITIATION FACTOR 2 BETA SUBUNIT (EIF-2-BETA) (P38) gi 2306768 (U87163) eIF-2 beta subunit [Triticum aestivum]		

Seq. No.	1235	Seq. ID	OJ990323_03.9A18.C40
Gene No.	2514	Strand	+
Start	1	End	407
Name	OJ990323_03.9A18.C40.o2.gp	Method	AAT/GAP
Start	1	End	407
GI	28160_1.R1084	Score	308
Exons	1..39, 140..191, 260..407		
GI Descrip.	'3122234/sp O24473 IF2B_WHEAT 2.0e-30 EUKARYOTIC TRANSLATION INITIATION FACTOR 2 BETA SUBUNIT (EIF-2-BETA) (P38) >gi_2306768 (U87163) eIF-2 beta subunit [Triticum aestivum]'		

Seq. No.	1235	Seq. ID	OJ990323_03.9A18.C40
Gene No.	2514	Strand	+
Start	1	End	407

Name	OJ990323_03.9A18.C40.ol.gp	Method	AAT/GAP
Start	1	End	387
GI	28160_1.R1084	Score	311
Exons	1..39, 140..191, 260..387		
GI Descrip.	'3122234/sp O24473 IF2B_WHEAT 2.0e-30 EUKARYOTIC TRANSLATION INITIATION FACTOR 2 BETA SUBUNIT (EIF-2-BETA) (P38) >gi_2306768 (U87163) eIF-2 beta subunit [Triticum aestivum]'		

Seq. No.	1235	Seq. ID	OJ990323_03.9A18.C40
Gene No.	2514	Strand	+
Start	1	End	407
Name	OJ990323_03.9A18.C40.ol.gs	Method	GENSCAN
Start	16	End	360
GI	none	Score	.77
Exons	16..39, 140..191, 260..360		

Seq. No.	1236	Seq. ID	OJ990323_03.9A18.C41
Gene No.	2515	Strand	-
Start	16	End	144
Name	OJ990323_03.9A18.C41.ol.gs	Method	GENSCAN
Start	16	End	144
GI	none	Score	.85
Exons	16..144		

Seq. No.	1237	Seq. ID	OJ990323_03.9A18.C42
Gene No.	2516	Strand	-
Start	1	End	309
Name	OJ990323_03.9A18.C42.ol.np	Method	AAT/NAP
Start	1	End	305
GI	6646752	Score	163
Exons	1..305		
GI Descrip.	(AC013258) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	1237	Seq. ID	OJ990323_03.9A18.C42
Gene No.	2516	Strand	-
Start	1	End	309
Name	OJ990323_03.9A18.C42.ol.tm	Method	TBLASTX:Maize
Start	57	End	309
GI	none	Score	307
Exons	57..308, 57..305, 58..309		

Seq. No.	1237	Seq. ID	OJ990323_03.9A18.C42
Gene No.	2516	Strand	-
Start	1	End	309
Name	OJ990323_03.9A18.C42.ol.ts	Method	TBLASTX:Soybean
Start	57	End	305
GI	none	Score	40
Exons	57..107, 57..119, 108..305, 109..288		

Seq. No.	1237	Seq. ID	OJ990323_03.9A18.C42
Gene No.	2516	Strand	-
Start	1	End	309
Name	OJ990323_03.9A18.C42.ol.gs	Method	GENSCAN
Start	65	End	305
GI	none	Score	.6
Exons	65..305		

Seq. No.	1238	Seq. ID	OJ990323_03.9A18.C43
Gene No.	2517	Strand	-
Start	1	End	559
Name	OJ990323_03.9A18.C43.ol.np	Method	AAT/NAP
Start	1	End	559
GI	3913733	Score	104
Exons	1..112, 501..559		
GI Descrip.	HYDROXYACYLGLUTATHIONE HYDROLASE CYTOPLASMIC (GLYOXALASE II) (GLX II) gi 1924921 emb CAA69644 (Y08357) hydroxyacylglutathione hydrolase [Arabidopsis thaliana] gi 6630545 gb AAF19564.1 AC011708_7 (AC011708) hydroxyacylglutathione hydrolase cytoplasmic (glyoxalase II) (GLX II) [Arabidopsis thaliana]		

Seq. No.	1238	Seq. ID	OJ990323_03.9A18.C43
Gene No.	2517	Strand	-
Start	1	End	559
Name	OJ990323_03.9A18.C43.ol.gs	Method	GENSCAN
Start	16	End	503
GI	none	Score	.52
Exons	16..112, 388..503		

Seq. No.	1239	Seq. ID	OJ990323_03.9A18.C44
Gene No.	2518	Strand	-
Start	60	End	253
Name	OJ990323_03.9A18.C44.ol.gs	Method	GENSCAN
Start	60	End	253
GI	none	Score	.59
Exons	60..253		

Seq. No.	1240	Seq. ID	OJ990323_07.9A06.C6
Gene No.	2519	Strand	-
Start	1	End	529
Name	OJ990323_07.9A06.C6.ol.np	Method	AAT/NAP
Start	1	End	529
GI	1362152	Score	295
Exons	1..217, 296..376, 479..529		
GI Descrip.	ribosomal protein S6 kinase homolog (clone Aspk11) - oat gi 871986 emb CAA56313 (X79992) putative pp70 ribosomal protein S6 kinase [Avena sativa]		

Seq. No.	1240	Seq. ID	OJ990323_07.9A06.C6
Gene No.	2519	Strand	-
Start	1	End	529
Name	OJ990323_07.9A06.C6.ol.tc	Method	TBLASTX:Cress
Start	88	End	529
GI	none	Score	152
Exons	88..219, 92..220, 101..232, 102..233, 295..336, 321..353, 353..388, 479..529		

Seq. No.	1240	Seq. ID	OJ990323_07.9A06.C6
Gene No.	2519	Strand	-
Start	1	End	529
Name	OJ990323_07.9A06.C6.ol.tm	Method	TBLASTX:Maize
Start	88	End	529
GI	none	Score	187
Exons	88..219, 101..220, 290..337, 295..336, 334..351, 353..388,		

479..529, 480..527

Seq. No.	1240	Seq. ID	OJ990323_07.9A06.C6
Gene No.	2519	Strand	-
Start	1	End	529
Name	OJ990323_07.9A06.C6.o1.ts	Method	TBLASTX:Soybean
Start	88	End	527
GI	none	Score	163
Exons	88..219, 92..220, 95..220, 96..233, 96..233, 97..234, 295..336, 321..353, 353..379, 353..388, 479..526, 480..527		

Seq. No.	1240	Seq. ID	OJ990323_07.9A06.C6
Gene No.	2519	Strand	-
Start	1	End	529
Name	OJ990323_07.9A06.C6.o1.gs	Method	GENSCAN
Start	97	End	217
GI	none	Score	.96
Exons	97..217		

Seq. No.	1241	Seq. ID	OJ990323_07.9A06.C8
Gene No.	2520	Strand	+
Start	1	End	641
Name	OJ990323_07.9A06.C8.o1.np	Method	AAT/NAP
Start	1	End	641
GI	3122234	Score	442
Exons	1..51, 221..369, 478..641		
GI Descrip.	EUKARYOTIC TRANSLATION INITIATION FACTOR 2 BETA SUBUNIT (EIF-2-BETA) (P38) gi 2306768 (U87163) eIF-2 beta subunit [Triticum aestivum]		

Seq. No.	1241	Seq. ID	OJ990323_07.9A06.C8
Gene No.	2520	Strand	+
Start	1	End	641
Name	OJ990323_07.9A06.C8.o1.tc	Method	TBLASTX:Cress
Start	212	End	637
GI	none	Score	255
Exons	212..370, 221..370, 223..378, 398..637, 475..621, 479..625		

Seq. No.	1241	Seq. ID	OJ990323_07.9A06.C8
Gene No.	2520	Strand	+
Start	1	End	641
Name	OJ990323_07.9A06.C8.o1.tm	Method	TBLASTX:Maize
Start	219	End	640
GI	none	Score	257
Exons	219..293, 221..370, 221..367, 223..369, 327..377, 398..640, 475..621		

Seq. No.	1241	Seq. ID	OJ990323_07.9A06.C8
Gene No.	2520	Strand	+
Start	1	End	641
Name	OJ990323_07.9A06.C8.o1.ts	Method	TBLASTX:Soybean
Start	221	End	637
GI	none	Score	253
Exons	221..370, 221..370, 223..378, 398..637, 475..621, 498..623		

Seq. No.	1241	Seq. ID	OJ990323_07.9A06.C8
Gene No.	2520	Strand	+

Start	1	End	641
Name	OJ990323_07.9A06.C8.ol.gs	Method	GENSCAN
Start	224	End	620
GI	none	Score	.55
Exons	224..369, 412..620		

Seq. No.	1242	Seq. ID	OJ990323_07.9A06.C11
Gene No.	2521	Strand	-
Start	411	End	576
Name	OJ990323_07.9A06.C11.ol.ts	Method	TBLASTX:Soybean
Start	399	End	575
GI	none	Score	184
Exons	399..575, 400..570		

Seq. No.	1242	Seq. ID	OJ990323_07.9A06.C11
Gene No.	2521	Strand	-
Start	411	End	576
Name	OJ990323_07.9A06.C11.ol.gs	Method	GENSCAN
Start	411	End	560
GI	none	Score	.91
Exons	411..560		

Seq. No.	1242	Seq. ID	OJ990323_07.9A06.C11
Gene No.	2521	Strand	-
Start	411	End	576
Name	OJ990323_07.9A06.C11.ol.tm	Method	TBLASTX:Maize
Start	411	End	576
GI	none	Score	175
Exons	411..575, 411..575, 412..576		

Seq. No.	1242	Seq. ID	OJ990323_07.9A06.C11
Gene No.	2521	Strand	-
Start	411	End	576
Name	OJ990323_07.9A06.C11.ol.np	Method	AAT/NAP
Start	411	End	576
GI	1136434	Score	160
Exons	411..576		
GI Descrip.	(D80009) KIAA0187 [Homo sapiens]		

Seq. No.	1243	Seq. ID	OJ990323_07.9A06.C13
Gene No.	2522	Strand	+
Start	1005	End	1338
Name	OJ990323_07.9A06.C13.ol.gs	Method	GENSCAN
Start	1005	End	1338
GI	none	Score	.46
Exons	1005..1109, 1215..1338		

Seq. No.	1244	Seq. ID	OJ990323_07.9A06.C14
Gene No.	2523	Strand	+
Start	161	End	274
Name	OJ990323_07.9A06.C14.ol.gs	Method	GENSCAN
Start	161	End	274
GI	none	Score	.71
Exons	161..274		

Seq. No.	1244	Seq. ID	OJ990323_07.9A06.C14
Gene No.	2524	Strand	-

Start	1	End	266
Name	OJ990323_07.9A06.C14.ol.np	Method	AAT/NAP
Start	1	End	266
GI	2760839	Score	166
Exons	1..266		
GI Descrip.	(AC003105) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	1244	Seq. ID	OJ990323_07.9A06.C14
Gene No.	2524	Strand	-
Start	1	End	266
Name	OJ990323_07.9A06.C14.ol.tm	Method	TBLASTX:Maize
Start	1	End	220
GI	none	Score	211
Exons	1..216, 2..220		

Seq. No.	1245	Seq. ID	OJ990323_07.9A06.C18
Gene No.	2525	Strand	+
Start	1	End	506
Name	OJ990323_07.9A06.C18.ol.np	Method	AAT/NAP
Start	1	End	506
GI	4512231	Score	861
Exons	1..506		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	1245	Seq. ID	OJ990323_07.9A06.C18
Gene No.	2525	Strand	+
Start	1	End	506
Name	OJ990323_07.9A06.C18.ol.gs	Method	GENSCAN
Start	103	End	382
GI	none	Score	.6
Exons	103..382		

Seq. No.	1246	Seq. ID	OJ990323_07.9A06.C24
Gene No.	2526	Strand	+
Start	79	End	419
Name	OJ990323_07.9A06.C24.ol.gp	Method	AAT/GAP
Start	79	End	419
GI	4879565	Score	389
Exons	79..158, 266..419		

Seq. No.	1246	Seq. ID	OJ990323_07.9A06.C24
Gene No.	2526	Strand	+
Start	79	End	419
Name	OJ990323_07.9A06.C24.ol.gs	Method	GENSCAN
Start	82	End	419
GI	none	Score	.96
Exons	82..158, 266..419		

Seq. No.	1247	Seq. ID	OJ990323_07.9A06.C25
Gene No.	2527	Strand	-
Start	58	End	380
Name	OJ990323_07.9A06.C25.ol.gp	Method	AAT/GAP
Start	58	End	338
GI	none	Score	323
Exons	58..153, 240..338		

Seq. No.	1247	Seq. ID	OJ990323_07.9A06.C25
Gene No.	2527	Strand	-
Start	58	End	380
Name	OJ990323_07.9A06.C25.o1.tm	Method	TBLASTX:Maize
Start	58	End	374
GI	none	Score	120
Exons	58..153, 60..152, 212..337, 231..374		

Seq. No.	1247	Seq. ID	OJ990323_07.9A06.C25
Gene No.	2527	Strand	-
Start	58	End	380
Name	OJ990323_07.9A06.C25.o1.tw	Method	TBLASTX:Wheat
Start	87	End	380
GI	none	Score	61
Exons	87..152, 88..153, 212..337, 231..380		

Seq. No.	1248	Seq. ID	OJ990323_07.9A06.C26
Gene No.	2528	Strand	-
Start	30	End	350
Name	OJ990323_07.9A06.C26.o1.gs	Method	GENSCAN
Start	30	End	350
GI	none	Score	.48
Exons	30..350		

Seq. No.	1249	Seq. ID	OJ990323_07.9A06.C27
Gene No.	2529	Strand	-
Start	234	End	551
Name	OJ990323_07.9A06.C27.o1.gp	Method	AAT/GAP
Start	234	End	551
GI	4969189	Score	480
Exons	234..341, 376..551		

Seq. No.	1249	Seq. ID	OJ990323_07.9A06.C27
Gene No.	2530	Strand	-
Start	452	End	581
Name	OJ990323_07.9A06.C27.o1.np	Method	AAT/NAP
Start	452	End	581
GI	1679733	Score	108
Exons	452..581		
GI Descrip:	(U77041) polygalacturonase-inhibiting protein [Malus domestica]		

Seq. No.	1250	Seq. ID	OJ990323_07.9A06.C28
Gene No.	2531	Strand	-
Start	1	End	4879
Name	OJ990323_07.9A06.C28.o1.gp	Method	AAT/GAP
Start	1	End	213
GI	4969189	Score	351
Exons	1..213		

Seq. No.	1250	Seq. ID	OJ990323_07.9A06.C28
Gene No.	2531	Strand	-
Start	1	End	4879
Name	OJ990323_07.9A06.C28.o1.gs	Method	GENSCAN
Start	111	End	1040
GI	none	Score	.98
Exons	111..1040		

Seq. No.	1250	Seq. ID	OJ990323_07.9A06.C28
Gene No.	2531	Strand	-
Start	1	End	4879
Name	OJ990323_07.9A06.C28.o1.np	Method	AAT/NAP
Start	117	End	4879
GI	1679733	Score	629
Exons	117..387, 4122..4879		
GI Descrip.	(U77041) polygalacturonase-inhibiting protein [Malus domestica]		

Seq. No.	1250	Seq. ID	OJ990323_07.9A06.C28
Gene No.	2531	Strand	-
Start	1	End	4879
Name	OJ990323_07.9A06.C28.o2.gp	Method	AAT/GAP
Start	749	End	1094
GI	62575_1.R1084	Score	597
Exons	749..1094		
GI Descrip.	'1143381/emb CAA88846 2.0e-09 (Z49063) polygalacturonase inhibitor [Actinidia deliciosa]'		

Seq. No.	1250	Seq. ID	OJ990323_07.9A06.C28
Gene No.	2531	Strand	-
Start	1	End	4879
Name	OJ990323_07.9A06.C28.o2.gs	Method	GENSCAN
Start	3851	End	4879
GI	none	Score	.62
Exons	3851..4879		

Seq. No.	1250	Seq. ID	OJ990323_07.9A06.C28
Gene No.	2531	Strand	-
Start	1	End	4879
Name	OJ990323_07.9A06.C28.o3.gp	Method	AAT/GAP
Start	4029	End	4419
GI	LIB3433-037-P1-K1-G8	Score	734
Exons	4029..4419		
GI Descrip.	'1679733/gb AAB19212.1 4.0e-16 (U77041) polygalacturonase-inhibiting protein [Malus domestica]'		

Seq. No.	1250	Seq. ID	OJ990323_07.9A06.C28
Gene No.	2532	Strand	-
Start	5376	End	11289
Name	OJ990323_07.9A06.C28.o1.tc	Method	TBLASTX:Cress
Start	123	End	4780
GI	none	Score	69
Exons	123..182, 124..183, 189..239, 261..377, 351..443, 366..446, 483..584, 492..818, 565..720, 864..914, 3875..3928, 3938..3982, 3938..4051, 4004..4117, 4133..4171, 4151..4255, 4214..4252, 4274..4471, 4304..4642, 4355..4540, 4377..4532, 4584..4640, 4664..4780		

Seq. No.	1250	Seq. ID	OJ990323_07.9A06.C28
Gene No.	2532	Strand	-
Start	5376	End	11289
Name	OJ990323_07.9A06.C28.o1.ts	Method	TBLASTX:Soybean
Start	129	End	4729
GI	none	Score	64
Exons	129..182, 177..305, 189..380, 190..312, 249..308, 330..452, 381..467, 393..443, 477..824, 492..587, 493..720, 556..723,		

864..914, 3869..3934, 3914..4132, 3924..4118, 3935..4042,
3992..4042, 4127..4171, 4151..4255, 4214..4252, 4274..4393,
4295..4336, 4295..4459, 4298..4429, 4304..4645, 4361..4540,
4377..4535, 4377..4481, 4607..4729

Seq. No.	1250	Seq. ID	OJ990323_07.9A06.C28
Gene No.	2532	Strand	-
Start	5376	End	11289
Name	OJ990323_07.9A06.C28.o3.tm	Method	TBLASTX:Maize
Start	195	End	4262
GI	none	Score	81
Exons	195..302, 210..392, 217..393, 330..449, 331..444, 342..446, 393..449, 474..575, 475..576, 3953..4123, 3954..4115, 4121..4171, 4214..4255, 4215..4262		

Seq. No.	1250	Seq. ID	OJ990323_07.9A06.C28
Gene No.	2532	Strand	-
Start	5376	End	11289
Name	OJ990323_07.9A06.C28.o1.tm	Method	TBLASTX:Maize
Start	580	End	4817
GI	none	Score	123
Exons	580..726, 636..731, 768..1040, 769..921, 4265..4438, 4391..4543, 4392..4535, 4583..4789, 4584..4817		

Seq. No.	1250	Seq. ID	OJ990323_07.9A06.C28
Gene No.	2532	Strand	-
Start	5376	End	11289
Name	OJ990323_07.9A06.C28.o3.gs	Method	GENSCAN
Start	5376	End	10564
GI	none	Score	.81
Exons	5376..5572, 6039..6093, 6417..6587, 6771..6860, 7403..7514, 7697..7765, 7911..7966, 8109..8295, 9163..9211, 9529..9601, 9680..9958, 10138..10279, 10368..10564		

Seq. No.	1250	Seq. ID	OJ990323_07.9A06.C28
Gene No.	2532	Strand	-
Start	5376	End	11289
Name	OJ990323_07.9A06.C28.o2.np	Method	AAT/NAP
Start	6004	End	11289
GI	2462838	Score	1232
Exons	6004..6093, 6417..6587, 6771..6879, 7378..7514, 7911..7966, 8109..8373, 9163..9211, 9529..9601, 9680..9958, 10138..10198, 10368..10655, 11208..11289		

GI Descrip. (AF000657) unknown protein [Arabidopsis thaliana]

Seq. No.	1250	Seq. ID	OJ990323_07.9A06.C28
Gene No.	2532	Strand	-
Start	5376	End	11289
Name	OJ990323_07.9A06.C28.o3.ts	Method	TBLASTX:Soybean
Start	6417	End	7766
GI	none	Score	142
Exons	6417..6587, 6418..6582, 6442..6585, 6736..6858, 6768..6863, 7400..7513, 7403..7519, 7404..7514, 7695..7766, 7696..7758		

Seq. No.	1250	Seq. ID	OJ990323_07.9A06.C28
Gene No.	2532	Strand	-
Start	5376	End	11289

Name	OJ990323_07.9A06.C28.o2.tm	Method	TBLASTX:Maize
Start	6417	End	8246
GI	none	Score	194
Exons	6417..6587, 6442..6585, 6768..6863, 6772..6858, 7390..7509, 7403..7519, 7404..7514, 7696..7758, 7697..7765, 7698..7781, 7714..7788, 7899..7967, 7907..7969, 7910..7969, 8100..8246, 8104..8223, 8109..8246		

Seq. No.	1250	Seq. ID	OJ990323_07.9A06.C28
Gene No.	2532	Strand	-
Start	5376	End	11289
Name	OJ990323_07.9A06.C28.o4.gp	Method	AAT/GAP
Start	7907	End	8247
GI	LIB3432-040-P1-K1-E7	Score	231
Exons	7907..7966, 8109..8247		
GI Descrip.	'2462838 3.0e-15 (AF000657) unknown protein [Arabidopsis thaliana]'		

Seq. No.	1250	Seq. ID	OJ990323_07.9A06.C28
Gene No.	2532	Strand	-
Start	5376	End	11289
Name	OJ990323_07.9A06.C28.o2.tc	Method	TBLASTX:Cress
Start	9708	End	10207
GI	none	Score	63
Exons	9708..9767, 9818..9931, 9818..9964, 9819..9974, 10136..10207, 10138..10206		

Seq. No.	1250	Seq. ID	OJ990323_07.9A06.C28
Gene No.	2532	Strand	-
Start	5376	End	11289
Name	OJ990323_07.9A06.C28.o4.tm	Method	TBLASTX:Maize
Start	9824	End	10388
GI	none	Score	144
Exons	9824..9958, 9825..9932, 9826..9960, 10136..10279, 10137..10283, 10138..10290, 10138..10281, 10365..10388		

Seq. No.	1250	Seq. ID	OJ990323_07.9A06.C28
Gene No.	2532	Strand	-
Start	5376	End	11289
Name	OJ990323_07.9A06.C28.o2.ts	Method	TBLASTX:Soybean
Start	9836	End	10532
GI	none	Score	84
Exons	9836..9964, 9840..9932, 9859..9960, 10136..10306, 10137..10241, 10138..10284, 10363..10425, 10364..10531, 10368..10532		

Seq. No.	1251	Seq. ID	OJ990323_07.9A06.C29
Gene No.	2533	Strand	-
Start	671	End	6809
Name	OJ990323_07.9A06.C29.o1.np	Method	AAT/NAP
Start	671	End	1753
GI	2462838	Score	566
Exons	671..956, 1220..1753		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		

Seq. No.	1251	Seq. ID	OJ990323_07.9A06.C29
Gene No.	2533	Strand	-
Start	671	End	6809

Name	OJ990323_07.9A06.C29.o1.gs	Method	GENSCAN
Start	681	End	6663
GI	none	Score	.74
Exons	681..956, 1220..2076, 2688..2954, 3901..4597, 4811..5055, 5800..5960, 6075..6663		

Seq. No.	1251	Seq. ID	OJ990323_07.9A06.C29
Gene No.	2533	Strand	-
Start	671	End	6809
Name	OJ990323_07.9A06.C29.o2.np	Method	AAT/NAP
Start	1942	End	6809
GI	6503010	Score	791
Exons	1942..2104, 3918..4597, 4811..5055, 5800..6038, 6075..6232, 6285..6809		

GI Descrip. (AF174427) formin-like protein AHF1 [Arabidopsis thaliana]

Seq. No.	1251	Seq. ID	OJ990323_07.9A06.C29
Gene No.	2533	Strand	-
Start	671	End	6809
Name	OJ990323_07.9A06.C29.o3.tm	Method	TBLASTX:Maize
Start	3834	End	4166
GI	none	Score	109
Exons	3834..4013, 3915..4016, 3929..4021, 4008..4166, 4014..4148, 4025..4165		

Seq. No.	1251	Seq. ID	OJ990323_07.9A06.C29
Gene No.	2533	Strand	-
Start	671	End	6809
Name	OJ990323_07.9A06.C29.o1.ts	Method	TBLASTX:Soybean
Start	4187	End	4603
GI	none	Score	138
Exons	4187..4357, 4359..4595, 4367..4603, 4435..4602		

Seq. No.	1251	Seq. ID	OJ990323_07.9A06.C29
Gene No.	2533	Strand	-
Start	671	End	6809
Name	OJ990323_07.9A06.C29.o1.tm	Method	TBLASTX:Maize
Start	4369	End	4948
GI	none	Score	264
Exons	4369..4599, 4382..4603, 4383..4595, 4386..4616, 4387..4599, 4811..4945, 4811..4948		

Seq. No.	1251	Seq. ID	OJ990323_07.9A06.C29
Gene No.	2533	Strand	-
Start	671	End	6809
Name	OJ990323_07.9A06.C29.o1.tc	Method	TBLASTX:Cress
Start	4385	End	5087
GI	none	Score	143
Exons	4385..4603, 4386..4598, 4785..5087, 4811..5053		

Seq. No.	1251	Seq. ID	OJ990323_07.9A06.C29
Gene No.	2533	Strand	-
Start	671	End	6809
Name	OJ990323_07.9A06.C29.o2.ts	Method	TBLASTX:Soybean
Start	4812	End	5059
GI	none	Score	105
Exons	4812..5057, 4814..5056, 4850..5059		

Seq. No.	1251	Seq. ID	OJ990323_07.9A06.C29
Gene No.	2533	Strand	-
Start	671	End	6809
Name	OJ990323_07.9A06.C29.o2.tm	Method	TBLASTX:Maize
Start	4958	End	6127
GI	none	Score	90
Exons	4958..5056, 4960..5058, 4967..5059, 5004..5066, 5796..5960, 5798..5962, 5798..5959, 6074..6127, 6078..6125		

Seq. No.	1252	Seq. ID	OJ990323_07.9A06.C30
Gene No.	2534	Strand	+
Start	214	End	1712
Name	OJ990323_07.9A06.C30.o1.gs	Method	GENSCAN
Start	214	End	1712
GI	none	Score	.96
Exons	214..282, 359..470, 1642..1712		

Seq. No.	1253	Seq. ID	OJ990323_07.9A06.C31
Gene No.	2535	Strand	+
Start	2015	End	3839
Name	OJ990323_07.9A06.C31.o2.gs	Method	GENSCAN
Start	2015	End	3839
GI	none	Score	.83
Exons	2015..2071, 2103..2293, 3617..3839		

Seq. No.	1253	Seq. ID	OJ990323_07.9A06.C31
Gene No.	2535	Strand	+
Start	2015	End	3839
Name	OJ990323_07.9A06.C31.o1.gp	Method	AAT/GAP
Start	3368	End	3448
GI	38012_1.R1084	Score	103
Exons	3368..3448		
GI Descrip.	'4097947/gb U72255 OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	1253	Seq. ID	OJ990323_07.9A06.C31
Gene No.	2535	Strand	+
Start	2015	End	3839
Name	OJ990323_07.9A06.C31.o1.np	Method	AAT/NAP
Start	3636	End	3836
GI	2281092	Score	193
Exons	3636..3836		
GI Descrip.	.(AC002333) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1253	Seq. ID	OJ990323_07.9A06.C31
Gene No.	2536	Strand	+
Start	6128	End	9285
Name	OJ990323_07.9A06.C31.o2.gp	Method	AAT/GAP
Start	6048	End	7848
GI	4879565	Score	679
Exons	6048..6164, 6684..6760, 6868..7021, 7552..7622, 7825..7848		

Seq. No.	1253	Seq. ID	OJ990323_07.9A06.C31
Gene No.	2536	Strand	+
Start	6128	End	9285
Name	OJ990323_07.9A06.C31.o3.gs	Method	GENSCAN

Start	6128	End	9285
GI	none	Score	.85
Exons	6128..6164, 6684..6760, 6868..7021, 7552..7622, 7861..7926, 8223..8297, 8408..8440, 8558..8638, 8755..8811, 8897..8986, 9084..9285		

Seq. No.	1253	Seq. ID	OJ990323_07.9A06.C31
Gene No.	2537	Strand	-
Start	1094	End	1405
Name	OJ990323_07.9A06.C31.o1.gs	Method	GENSCAN
Start	1094	End	1405
GI	none	Score	.98
Exons	1094..1207, 1247..1405		

Seq. No.	1253	Seq. ID	OJ990323_07.9A06.C31
Gene No.	2538	Strand	
Start	3628	End	3839
Name	OJ990323_07.9A06.C31.o1.tm	Method	TBLASTX:Maize
Start	3628	End	3839
GI	none	Score	114
Exons	3628..3825, 3629..3745, 3644..3832, 3645..3833, 3789..3839		

Seq. No.	1253	Seq. ID	OJ990323_07.9A06.C31
Gene No.	2538	Strand	
Start	3628	End	3839
Name	OJ990323_07.9A06.C31.o1.ts	Method	TBLASTX:Soybean
Start	3645	End	3824
GI	none	Score	207
Exons	3645..3824, 3650..3814		

Seq. No.	1253	Seq. ID	OJ990323_07.9A06.C31
Gene No.	2539	Strand	
Start	6113	End	8119
Name	OJ990323_07.9A06.C31.o2.tm	Method	TBLASTX:Maize
Start	6113	End	8119
GI	none	Score	83
Exons	6113..6166, 6114..6164, 6121..6183, 6122..6166, 6668..6766, 6682..6759, 6867..6971, 6868..6978, 7782..7928, 7810..7932, 7813..7914, 7824..7928, 8030..8119, 8030..8119		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2540	Strand	+
Start	59	End	4635
Name	OJ990323_07.9A06.C32.o1.gp	Method	AAT/GAP
Start	59	End	1066
GI	none	Score	1035
Exons	59..227, 316..378, 462..635, 718..849, 1001..1066		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2540	Strand	+
Start	59	End	4635
Name	OJ990323_07.9A06.C32.o1.gs	Method	GENSCAN
Start	131	End	4635
GI	none	Score	.84
Exons	131..227, 462..635, 718..849, 1001..1140, 1402..1581, 1964..2089, 2498..2644, 2901..3002, 3107..3277, 4401..4572, 4628..4635		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2540	Strand	+
Start	59	End	4635
Name	OJ990323_07.9A06.C32.o1.np	Method	AAT/NAP
Start	285	End	3679
GI	6175185	Score	1092
Exons	285..378, 462..635, 718..849, 1001..1140, 1495..1581, 1964..2089, 2498..2704, 2901..3002, 3107..3277, 3374..3453, 3622..3679		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2540	Strand	+
Start	59	End	4635
Name	OJ990323_07.9A06.C32.o2.gp	Method	AAT/GAP
Start	2498	End	3158
GI	none	Score	632
Exons	2498..2644, 2723..2785, 2901..3002, 3107..3158		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2541	Strand	+
Start	5161	End	5703
Name	OJ990323_07.9A06.C32.o2.gs	Method	GENSCAN
Start	5161	End	5703
GI	none	Score	.91
Exons	5161..5703		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2541	Strand	+
Start	5161	End	5703
Name	OJ990323_07.9A06.C32.o4.gp	Method	AAT/GAP
Start	5242	End	5571
GI	none	Score	649
Exons	5242..5571		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2542	Strand	+
Start	7613	End	8565
Name	OJ990323_07.9A06.C32.o5.gp	Method	AAT/GAP
Start	7613	End	8565
GI	2496_1.R1084	Score	1875
Exons	7613..8565		
GI Descrip.	'6091733/gb AAF03445.1 AC010797_21 3.0e-17 (AC010797) unknown protein [Arabidopsis thaliana]'		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2543	Strand	+
Start	9710	End	9771
Name	OJ990323_07.9A06.C32.o6.gp	Method	AAT/GAP
Start	9710	End	9771
GI	LIB3477-003-P1-K1-E9	Score	76
Exons	9710..9771		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2544	Strand	+
Start	10148	End	10852
Name	OJ990323_07.9A06.C32.o4.gs	Method	GENSCAN
Start	10148	End	10852
GI	none	Score	.91
Exons	10148..10256, 10695..10852		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2545	Strand	+
Start	16957	End	18994
Name	OJ990323_07.9A06.C32.o9.gp	Method	AAT/GAP
Start	16932	End	18994
GI	none	Score	997
Exons	16932..17135, 17951..18049, 18136..18244, 18593..18668, 18925..18994		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2545	Strand	+
Start	16957	End	18994
Name	OJ990323_07.9A06.C32.o6.gs	Method	GENSCAN
Start	16957	End	18975
GI	none	Score	.83
Exons	16957..17135, 17951..18049, 18136..18244, 18593..18664, 18927..18975		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2546	Strand	-
Start	7988	End	8197
Name	OJ990323_07.9A06.C32.o3.gs	Method	GENSCAN
Start	7988	End	8197
GI	none	Score	.95
Exons	7988..8197		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-
Start	11560	End	16002
Name	OJ990323_07.9A06.C32.o6.tm	Method	TBLASTX:Maize
Start	199	End	836
GI	none	Score	53
Exons	199..225, 201..227, 312..380, 313..387, 315..377, 452..553, 530..643, 535..615, 717..797, 798..836		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-
Start	11560	End	16002
Name	OJ990323_07.9A06.C32.o2.tc	Method	TBLASTX:Cress
Start	530	End	2107
GI	none	Score	121
Exons	530..643, 717..845, 1994..2107		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-
Start	11560	End	16002
Name	OJ990323_07.9A06.C32.o7.tm	Method	TBLASTX:Maize
Start	1509	End	2659
GI	none	Score	71

Exons 1509..1577, 1519..1569, 1853..1876, 1923..2072, 1940..2089,
1949..2089, 1963..2091, 2485..2619, 2498..2623, 2506..2625,
2507..2659

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-
Start	11560	End	16002
Name	OJ990323_07.9A06.C32.o3.tm	Method	TBLASTX:Maize
Start	2928	End	3695
GI	none	Score	96
Exons	2928..3002, 2930..3007, 3083..3253, 3104..3256, 3105..3254, 3370..3453, 3371..3457, 3374..3451, 3601..3654, 3639..3695		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-
Start	11560	End	16002
Name	OJ990323_07.9A06.C32.o3.tc	Method	TBLASTX:Cress
Start	3121	End	3454
GI	none	Score	210
Exons	3121..3276, 3122..3277, 3392..3454		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-
Start	11560	End	16002
Name	OJ990323_07.9A06.C32.o3.ts	Method	TBLASTX:Soybean
Start	3176	End	3670
GI	none	Score	89
Exons	3176..3241, 3235..3276, 3236..3277, 3370..3453, 3371..3454, 3620..3670		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-
Start	11560	End	16002
Name	OJ990323_07.9A06.C32.o2.tm	Method	TBLASTX:Maize
Start	5149	End	5752
GI	none	Score	111
Exons	5149..5250, 5152..5223, 5156..5344, 5272..5352, 5330..5467, 5409..5702, 5410..5670, 5414..5701, 5699..5752		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-
Start	11560	End	16002
Name	OJ990323_07.9A06.C32.o2.ts	Method	TBLASTX:Soybean
Start	7980	End	11785
GI	none	Score	198
Exons	7980..8198, 7994..8197, 11548..11778, 11549..11785		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-
Start	11560	End	16002
Name	OJ990323_07.9A06.C32.o1.tw	Method	TBLASTX:Wheat
Start	8000	End	11779
GI	none	Score	189
Exons	8000..8197, 8001..8198, 11549..11779, 11563..11778		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-

Start	11560	End	16002
Name	OJ990323_07.9A06.C32.o4.tm	Method	TBLASTX:Maize
Start	8000	End	11782
GI	none	Score	160
Exons	8000..8212, 8001..8198, 11569..11778, 11570..11782, 11720..11782		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-
Start	11560	End	16002
Name	OJ990323_07.9A06.C32.o4.tc	Method	TBLASTX:Cress
Start	8012	End	11782
GI	none	Score	119
Exons	8012..8212, 8013..8198, 11593..11778, 11594..11782		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-
Start	11560	End	16002
Name	OJ990323_07.9A06.C32.o7.gp	Method	AAT/GAP
Start	11277	End	11882
GI	42373_1.R1084	Score	1133
Exons	11277..11882		
GI Descrip.	'6091734/gb AAF03446.1 AC010797_22 3.0e-16 (AC010797) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-
Start	11560	End	16002
Name	OJ990323_07.9A06.C32.o5.gs	Method	GENSCAN
Start	11560	End	15922
GI	none	Score	.45
Exons	11560..12023, 13493..13668, 13703..13788, 14509..14597, 14702..14852, 15605..15793, 15893..15922		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-
Start	11560	End	16002
Name	OJ990323_07.9A06.C32.o2.np	Method	AAT/NAP
Start	13442	End	14912
GI	849081	Score	514
Exons	13442..13616, 13703..13788, 13876..13930, 14509..14597, 14702..14912		
GI Descrip.	(U17900) cyclophilin B precursor [Orpinomyces sp. PC-2]		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-
Start	11560	End	16002
Name	OJ990323_07.9A06.C32.o1.tm	Method	TBLASTX:Maize
Start	13464	End	15763
GI	none	Score	204
Exons	13464..13622, 13486..13617, 13703..13795, 13713..13781, 13875..13931, 13877..13933, 13877..13930, 14509..14601, 14510..14599, 14688..14855, 14692..14853, 14700..14855, 15600..15707, 15605..15706, 15722..15763, 15723..15746		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-
Start	11560	End	16002

Name	OJ990323_07.9A06.C32.o1.ts	Method	TBLASTX:Soybean
Start	13465	End	14855
GI	none	Score	180
Exons	13465..13617, 13473..13622, 13489..13617, 13703..13795, 13716..13781, 13878..13931, 13880..13930, 14509..14598, 14509..14601, 14513..14599, 14516..14605, 14688..14855, 14692..14853		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-
Start	11560	End	16002
Name	OJ990323_07.9A06.C32.o1.tc	Method	TBLASTX:Cress
Start	13470	End	14840
GI	none	Score	176
Exons	13470..13622, 13489..13623, 13697..13795, 13713..13778, 13875..13931, 13877..13930, 14509..14598, 14509..14601, 14510..14599, 14510..14605, 14688..14786, 14692..14748, 14748..14840, 14757..14840		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-
Start	11560	End	16002
Name	OJ990323_07.9A06.C32.o2.tw	Method	TBLASTX:Wheat
Start	13476	End	14786
GI	none	Score	86
Exons	13476..13508, 13497..13610, 13522..13611, 13706..13795, 13708..13758, 13713..13781, 13880..13930, 13884..13931, 14509..14592, 14510..14581, 14573..14599, 14691..14786, 14692..14754		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2547	Strand	-
Start	11560	End	16002
Name	OJ990323_07.9A06.C32.o8.gp	Method	AAT/GAP
Start	13517	End	16002
GI	3461 2.R1084	Score	1396
Exons	13517..13616, 13703..13788, 13876..13930, 14509..14597, 14702..14852, 15605..15793, 15893..16002		
GI Descrip.	'461899/sp P34791 CYP4_ARATH 2.0e-59 PEPTIDYL-PROLYL CIS-TRANS ISOMERASE, CHLOROPLAST PRECURSOR (PPIASE) (ROTAMASE) (CYCLOPHILIN) (CYCLOSPORIN A-BINDING PROTEIN) >gi_1076368_pir_B53422 peptidylprolyl isomerase (EC 5.2.1.8) ROC4 - Arabidopsis thaliana >gi_405131 (L14845) cyclophilin [Arabidopsis thaliana] >gi_1322278 (U42724) cyclophilin [Arabidopsis thaliana]'		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2548	Strand	-
Start	17014	End	18994
Name	OJ990323_07.9A06.C32.o5.tm	Method	TBLASTX:Maize
Start	17014	End	18994
GI	none	Score	156
Exons	17014..17139, 17016..17135, 17032..17136, 17915..18058, 17952..18077, 18136..18252, 18137..18244, 18138..18293, 18580..18669, 18585..18671, 18586..18669, 18587..18679, 18926..18991, 18926..18994		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2548	Strand	
Start	17014	End	18994
Name	OJ990323_07.9A06.C32.o4.ts	Method	TBLASTX:Soybean
Start	17023	End	18679
GI	none	Score	104
Exons	17023..17139, 17951..18046, 17952..18047, 17955..18047, 18134..18244, 18136..18237, 18138..18245, 18581..18661, 18586..18669, 18587..18679, 18591..18671		

Seq. No.	1254	Seq. ID	OJ990323_07.9A06.C32
Gene No.	2548	Strand	
Start	17014	End	18994
Name	OJ990323_07.9A06.C32.o3.tw	Method	TBLASTX:Wheat
Start	17031	End	18202
GI	none	Score	150
Exons	17031..17135, 17032..17139, 17909..18058, 17952..18077, 18136..18201, 18137..18202		

Seq. No.	1255	Seq. ID	OJ990323_07.9A06.C33
Gene No.	2549	Strand	+
Start	279	End	2627
Name	OJ990323_07.9A06.C33.o1.np	Method	AAT/NAP
Start	279	End	2627
GI	5923912	Score	294
Exons	279..521, 1481..1696, 1826..1960, 2078..2169, 2351..2627		
GI Descrip.	(AF185269) bHLH transcription factor GBOF-1 [Tulipa gesneriana]		

Seq. No.	1255	Seq. ID	OJ990323_07.9A06.C33
Gene No.	2549	Strand	+
Start	279	End	2627
Name	OJ990323_07.9A06.C33.o1.gs	Method	GENSCAN
Start	762	End	2164
GI	none	Score	.7
Exons	762..1033, 1280..1399, 1481..1645, 1826..1960, 2078..2164		

Seq. No.	1255	Seq. ID	OJ990323_07.9A06.C33
Gene No.	2549	Strand	+
Start	279	End	2627
Name	OJ990323_07.9A06.C33.o1.tc	Method	TBLASTX:Cress
Start	1625	End	2116
GI	none	Score	101
Exons	1625..1687, 1636..1701, 1637..1699, 1826..1966, 1870..1959, 2072..2116		

Seq. No.	1255	Seq. ID	OJ990323_07.9A06.C33
Gene No.	2549	Strand	+
Start	279	End	2627
Name	OJ990323_07.9A06.C33.o1.tm	Method	TBLASTX:Maize
Start	1634	End	2141
GI	none	Score	103
Exons	1634..1696, 1636..1701, 1637..1699, 1826..1966, 1826..1966, 2072..2128, 2073..2141		

Seq. No.	1255	Seq. ID	OJ990323_07.9A06.C33
Gene No.	2549	Strand	+
Start	279	End	2627

Name	OJ990323_07.9A06.C33.ol.ts	Method	TBLASTX:Soybean
Start	1637	End	2140
GI	none	Score	106
Exons	1637..1699, 1645..1701, 1826..1963, 1826..1960, 1864..1962, 2072..2140, 2077..2109		

Seq. No.	1255	Seq. ID	OJ990323_07.9A06.C33
Gene No.	2549	Strand	+
Start	279	End	2627
Name	OJ990323_07.9A06.C33.ol.tw	Method	TBLASTX:Wheat
Start	1637	End	2116
GI	none	Score	94
Exons	1637..1699, 1639..1698, 1826..1966, 1832..1966, 2072..2116		

Seq. No.	1256	Seq. ID	OJ990323_07.9A06.C34
Gene No.	2550	Strand	-
Start	27	End	149
Name	OJ990323_07.9A06.C34.ol.gs	Method	GENSCAN
Start	27	End	149
GI	none	Score	.86
Exons	27..149		

Seq. No.	1257	Seq. ID	OJ990323_07.9A06.C35
Gene No.	2551	Strand	-
Start	1	End	756
Name	OJ990323_07.9A06.C35.ol.np	Method	AAT/NAP
Start	1	End	756
GI	2462838	Score	214
Exons	1..25, 304..376, 455..756		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		

Seq. No.	1257	Seq. ID	OJ990323_07.9A06.C35
Gene No.	2551	Strand	-
Start	1	End	756
Name	OJ990323_07.9A06.C35.ol.gs	Method	GENSCAN
Start	304	End	745
GI	none	Score	.78
Exons	304..376, 455..745		

Seq. No.	1257	Seq. ID	OJ990323_07.9A06.C35
Gene No.	2551	Strand	-
Start	1	End	756
Name	OJ990323_07.9A06.C35.ol.tc	Method	TBLASTX:Cress
Start	483	End	749
GI	none	Score	63
Exons	483..542, 580..717, 593..706, 593..739, 594..749		

Seq. No.	1257	Seq. ID	OJ990323_07.9A06.C35
Gene No.	2551	Strand	-
Start	1	End	756
Name	OJ990323_07.9A06.C35.ol.tm	Method	TBLASTX:Maize
Start	599	End	735
GI	none	Score	144
Exons	599..733, 600..707, 601..735		

Seq. No.	1258	Seq. ID	OJ990323_07.9A06.C38
Gene No.	2552	Strand	+

Start	185	End	358
Name	OJ990323_07.9A06.C38.o1.gs	Method	GENSCAN
Start	185	End	358
GI	none	Score	.42
Exons	185..295, 351..358		

Seq. No.	1258	Seq. ID	OJ990323_07.9A06.C38
Gene No.	2553	Strand	+
Start	884	End	1460
Name	OJ990323_07.9A06.C38.o1.tm	Method	TBLASTX:Maize
Start	872	End	1460
GI	none	Score	111
Exons	872..973, 875..946, 879..1067, 995..1075, 1053..1190, 1132..1425, 1133..1393, 1137..1424, 1422..1460		

Seq. No.	1258	Seq. ID	OJ990323_07.9A06.C38
Gene No.	2553	Strand	+
Start	884	End	1460
Name	OJ990323_07.9A06.C38.o1.np	Method	AAT/NAP
Start	884	End	1420
GI	5281045	Score	327
Exons	884..1420		
GI Descrip.	(AL080318) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1258	Seq. ID	OJ990323_07.9A06.C38
Gene No.	2553	Strand	+
Start	884	End	1460
Name	OJ990323_07.9A06.C38.o2.gs	Method	GENSCAN
Start	884	End	1426
GI	none	Score	.94
Exons	884..1426		

Seq. No.	1258	Seq. ID	OJ990323_07.9A06.C38
Gene No.	2553	Strand	+
Start	884	End	1460
Name	OJ990323_07.9A06.C38.o1.gp	Method	AAT/GAP
Start	965	End	1294
GI	none	Score	649
Exons	965..1294		

Seq. No.	1259	Seq. ID	OJ990323_07.9A06.C42
Gene No.	2554	Strand	-
Start	52	End	698
Name	OJ990323_07.9A06.C42.o1.np	Method	AAT/NAP
Start	52	End	698
GI	2462838	Score	265
Exons	52..141, 465..698		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		

Seq. No.	1259	Seq. ID	OJ990323_07.9A06.C42
Gene No.	2554	Strand	-
Start	52	End	698
Name	OJ990323_07.9A06.C42.o1.gs	Method	GENSCAN
Start	87	End	635
GI	none	Score	.82
Exons	87..141, 465..635		

Seq. No.	1259	Seq. ID	OJ990323_07.9A06.C42
Gene No.	2554	Strand	-
Start	52	End	698
Name	OJ990323_07.9A06.C42.o1.tm	Method	TBLASTX:Maize
Start	465	End	635
GI	none	Score	194
Exons	465..635, 490..633		

Seq. No.	1259	Seq. ID	OJ990323_07.9A06.C42
Gene No.	2554	Strand	-
Start	52	End	698
Name	OJ990323_07.9A06.C42.o1.ts	Method	TBLASTX:Soybean
Start	465	End	640
GI	none	Score	64
Exons	465..635, 467..628, 467..640, 490..633		

Seq. No.	1260	Seq. ID	OJ990323_07.9A06.C43
Gene No.	2555	Strand	+
Start	1	End	670
Name	OJ990323_07.9A06.C43.o1.np	Method	AAT/NAP
Start	1	End	670
GI	6503010	Score	158
Exons	1..192, 611..670		

GI Descrip. (AF174427) formin-like protein AHF1 [Arabidopsis thaliana]

Seq. No.	1260	Seq. ID	OJ990323_07.9A06.C43
Gene No.	2555	Strand	+
Start	1	End	670
Name	OJ990323_07.9A06.C43.o1.tm	Method	TBLASTX:Maize
Start	1	End	296
GI	none	Score	132
Exons	1..105, 2..94, 3..116, 3..122, 29..136, 109..201, 114..215, 117..296		

Seq. No.	1261	Seq. ID	OJ990323_07.9A06.C45
Gene No.	2556	Strand	-
Start	442	End	1131
Name	OJ990323_07.9A06.C45.o1.gp	Method	AAT/GAP
Start	442	End	1030
GI	3461_1.R1084	Score	930
Exons	442..858, 945..1030		

GI Descrip. '3219355 2.0e-33 (AF062371) ROOT HAIRLESS 1 [Arabidopsis thaliana] >gi_5733871_gb_AAD49759.1 AC007932 7 (AC007932) Identical to gb_AF062371 ROOT HAIRLESS 1 (RHL1) from Arabidopsis thaliana. ESTs gb_H37372, gb_AA651313 and gb_Z29767 come from this gene'

Seq. No.	1261	Seq. ID	OJ990323_07.9A06.C45
Gene No.	2556	Strand	-
Start	442	End	1131
Name	OJ990323_07.9A06.C45.o1.tm	Method	TBLASTX:Maize
Start	706	End	1025
GI	none	Score	204
Exons	706..864, 728..859, 945..1025, 955..1023		

Seq. No.	1261	Seq. ID	OJ990323_07.9A06.C45
Gene No.	2556	Strand	-

Start	442	End	1131
Name	OJ990323_07.9A06.C45.o1.ts	Method	TBLASTX:Soybean
Start	707	End	1025
GI	none	Score	180
Exons	707..859, 715..864, 731..859, 945..1025, 958..1023		

Seq. No.	1261	Seq. ID	OJ990323_07.9A06.C45
Gene No.	2556	Strand	-
Start	442	End	1131
Name	OJ990323_07.9A06.C45.o1.tc	Method	TBLASTX:Cress
Start	712	End	1025
GI	none	Score	176
Exons	712..864, 731..865, 939..1025, 955..1020		

Seq. No.	1261	Seq. ID	OJ990323_07.9A06.C45
Gene No.	2556	Strand	-
Start	442	End	1131
Name	OJ990323_07.9A06.C45.o1.np	Method	AAT/NAP
Start	718	End	1131
GI	2624966	Score	254
Exons	718..858, 945..1131		
GI Descrip.	(AF017993) cyclophilin [Entamoeba histolytica]		

Seq. No.	1261	Seq. ID	OJ990323_07.9A06.C45
Gene No.	2556	Strand	-
Start	442	End	1131
Name	OJ990323_07.9A06.C45.o1.tw	Method	TBLASTX:Wheat
Start	718	End	1025
GI	none	Score	86
Exons	718..750, 739..852, 764..853, 948..1025, 950..1000, 955..1023		

Seq. No.	1262	Seq. ID	OJ990503_03.9A01.C2
Gene No.	2557	Strand	-
Start	118	End	258
Name	OJ990503_03.9A01.C2.o1.gs	Method	GENSCAN
Start	118	End	258
GI	none	Score	.89
Exons	118..258		

Seq. No.	1263	Seq. ID	OJ990503_03.9A01.C3
Gene No.	2558	Strand	+
Start	190	End	555
Name	OJ990503_03.9A01.C3.o1.gs	Method	GENSCAN
Start	190	End	555
GI	none	Score	.82
Exons	190..242, 273..555		

Seq. No.	1264	Seq. ID	OJ990503_03.9A01.C4
Gene No.	2559	Strand	+
Start	538	End	970
Name	OJ990503_03.9A01.C4.o2.np	Method	AAT/NAP
Start	538	End	970
GI	6118043	Score	73
Exons	538..807, 900..970		
GI Descrip.	(AF157835) P48 [Bacteriophage APSE-1]		

Seq. No.	1264	Seq. ID	OJ990503_03.9A01.C4
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Gene No.	2560	Strand	-
Start	1	End	1106
Name	OJ990503_03.9A01.C4.o1.np	Method	AAT/NAP
Start	1	End	1106
GI	5730067	Score	563
Exons	1..515, 1065..1106		
GI Descrip.	Snf2-related CBP activator protein gi 5106572 gb AAD39760.1 AF143946_1 (AF143946) transcriptional activator SRCAP [Homo sapiens]		

Seq. No.	1264	Seq. ID	OJ990503_03.9A01.C4
Gene No.	2560	Strand	-
Start	1	End	1106
Name	OJ990503_03.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	1	End	363
GI	none	Score	119
Exons	1..363, 77..322, 139..339		

Seq. No.	1264	Seq. ID	OJ990503_03.9A01.C4
Gene No.	2560	Strand	-
Start	1	End	1106
Name	OJ990503_03.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	22	End	342
GI	none	Score	153
Exons	22..342, 77..289		

Seq. No.	1264	Seq. ID	OJ990503_03.9A01.C4
Gene No.	2560	Strand	-
Start	1	End	1106
Name	OJ990503_03.9A01.C4.o1.gs	Method	GENSCAN
Start	63	End	969
GI	none	Score	.84
Exons	63..348, 402..830, 907..969		

Seq. No.	1265	Seq. ID	OJ990503_03.9A01.C5
Gene No.	2561	Strand	+
Start	59	End	168
Name	OJ990503_03.9A01.C5.o1.gs	Method	GENSCAN
Start	59	End	168
GI	none	Score	.98
Exons	59..168		

Seq. No.	1265	Seq. ID	OJ990503_03.9A01.C5
Gene No.	2562	Strand	+
Start	283	End	650
Name	OJ990503_03.9A01.C5.o1.gp	Method	AAT/GAP
Start	283	End	650
GI	4714691	Score	682
Exons	283..650		

Seq. No.	1266	Seq. ID	OJ990503_03.9A01.C7
Gene No.	2563	Strand	-
Start	1	End	294
Name	OJ990503_03.9A01.C7.o1.np	Method	AAT/NAP
Start	1	End	294
GI	548878	Score	262
Exons	1..294		

GI Descrip. 30S RIBOSOMAL PROTEIN S7 gi|281774|pir||S23850 ribosomal protein
S7 - Eikenella corrodens gi|41657|emb|CAA78256| (Z12610)
Ribosomal protein S7 [Eikenella corrodens]

Seq. No.	1266	Seq. ID	OJ990503_03.9A01.C7
Gene No.	2563	Strand	-
Start	1	End	294
Name	OJ990503_03.9A01.C7.o1.gs	Method	GENSCAN
Start	51	End	294
GI	none	Score	.41
Exons	51..294		
Seq. No.	1267	Seq. ID	OJ990503_03.9A01.C9
Gene No.	2564	Strand	+
Start	480	End	660
Name	OJ990503_03.9A01.C9.o1.gs	Method	GENSCAN
Start	480	End	660
GI	none	Score	.95
Exons	480..581, 607..660		
Seq. No.	1268	Seq. ID	OJ990503_03.9A01.C14
Gene No.	2565	Strand	-
Start	76	End	743
Name	OJ990503_03.9A01.C14.o1.gp	Method	AAT/GAP
Start	76	End	254
GI	none	Score	241
Exons	76..254		
Seq. No.	1268	Seq. ID	OJ990503_03.9A01.C14
Gene No.	2565	Strand	-
Start	76	End	743
Name	OJ990503_03.9A01.C14.o1.tm	Method	TBLASTX:Maize
Start	79	End	251
GI	none	Score	178
Exons	79..243, 94..249, 96..251		
Seq. No.	1268	Seq. ID	OJ990503_03.9A01.C14
Gene No.	2565	Strand	-
Start	76	End	743
Name	OJ990503_03.9A01.C14.o1.gs	Method	GENSCAN
Start	96	End	743
GI	none	Score	.61
Exons	96..743		
Seq. No.	1268	Seq. ID	OJ990503_03.9A01.C14
Gene No.	2565	Strand	-
Start	76	End	743
Name	OJ990503_03.9A01.C14.o1.ts	Method	TBLASTX:Soybean
Start	129	End	524
GI	none	Score	130
Exons	129..353, 139..333, 171..350, 357..524		
Seq. No.	1269	Seq. ID	OJ990503_03.9A01.C15
Gene No.	2566	Strand	-
Start	53	End	242
Name	OJ990503_03.9A01.C15.o1.gs	Method	GENSCAN
Start	53	End	242

GI	none	Score	.68
Exons	53..242		
Seq. No.	1270	Seq. ID	OJ990503_03.9A01.C16
Gene No.	2567	Strand	+
Start	89	End	318
Name	OJ990503_03.9A01.C16.o1.gs	Method	GENSCAN
Start	89	End	318
GI	none	Score	.85
Exons	89..318		
Seq. No.	1271	Seq. ID	OJ990503_03.9A01.C17
Gene No.	2568	Strand	-
Start	289	End	898
Name	OJ990503_03.9A01.C17.o1.gs	Method	GENSCAN
Start	289	End	898
GI	none	Score	.77
Exons	289..396, 522..605, 839..898		
Seq. No.	1272	Seq. ID	OJ990503_03.9A01.C18
Gene No.	2569	Strand	-
Start	1216	End	1359
Name	OJ990503_03.9A01.C18.o1.np	Method	AAT/NAP
Start	1216	End	1359
GI	6815099	Score	107
Exons	1216..1359		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2570	Strand	+
Start	997	End	1410
Name	OJ990503_03.9A01.C19.o2.gp	Method	AAT/GAP
Start	997	End	1410
GI	4714603	Score	774
Exons	997..1410		
GI Descrip.	4455276/emb CAB36812.1 3.0e-26 (AL035527) peptide transporter-like protein [Arabidopsis thaliana]		
Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2571	Strand	+
Start	4784	End	6188
Name	OJ990503_03.9A01.C19.o2.gs	Method	GENSCAN
Start	4784	End	6188
GI	none	Score	.69
Exons	4784..4802, 5650..6018, 6100..6188		
Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2572	Strand	+
Start	6762	End	7121
Name	OJ990503_03.9A01.C19.o3.gs	Method	GENSCAN
Start	6762	End	7121
GI	none	Score	.67
Exons	6762..6847, 6892..6991, 6996..7121		
Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2573	Strand	+
Start	8849	End	10740

Name	OJ990503_03.9A01.C19.o4.gs	Method	GENSCAN
Start	8849	End	10740
GI	none	Score	.77
Exons	8849..8920, 10414..10740		

Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2573	Strand	+
Start	8849	End	10740
Name	OJ990503_03.9A01.C19.o2.np	Method	AAT/NAP
Start	10602	End	10737
GI	5922620	Score	173
Exons	10602..10737		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2574	Strand	+
Start	11952	End	15272
Name	OJ990503_03.9A01.C19.o3.gp	Method	AAT/GAP
Start	11107	End	11163
GI	16490_1.R1084	Score	89
Exons	11107..11163		
GI Descrip.	'4584525/emb CAB40756.1 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2574	Strand	+
Start	11952	End	15272
Name	OJ990503_03.9A01.C19.o5.gs	Method	GENSCAN
Start	11952	End	15272
GI	none	Score	.8
Exons	11952..12019, 12321..12378, 12616..12644, 12769..12890, 13009..13299, 13304..13474, 13961..14014, 14301..14383, 15024..15272		

Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2575	Strand	+
Start	17222	End	23422
Name	OJ990503_03.9A01.C19.o6.gs	Method	GENSCAN
Start	17222	End	23422
GI	none	Score	.71
Exons	17222..17260, 17622..17771, 19648..19931, 21520..21548, 22682..22892, 23212..23422		

Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2575	Strand	+
Start	17222	End	23422
Name	OJ990503_03.9A01.C19.o4.gp	Method	AAT/GAP
Start	21384	End	23149
GI	31893_1.R1084	Score	1266
Exons	21384..21548, 22656..23149		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:tl7804'		

Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2576	Strand	+
Start	25821	End	28112
Name	OJ990503_03.9A01.C19.o3.np	Method	AAT/NAP
Start	25821	End	27158
GI	3834314	Score	62
Exons	25821..25987, 27059..27158		
GI Descrip.	(AC005679) Similar to gene pi010 glycosyltransferase gi 2257490 from S. pombe clone 1750 gb AB004534. ESTs gb T46079 and gb AA394466 come from this gene. [Arabidopsis thaliana]		

Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2576	Strand	+
Start	25821	End	28112
Name	OJ990503_03.9A01.C19.o4.np	Method	AAT/NAP
Start	26687	End	28112
GI	5852084	Score	95
Exons	26687..26707, 28029..28112		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2577	Strand	-
Start	797	End	3673
Name	OJ990503_03.9A01.C19.o1.gp	Method	AAT/GAP
Start	439	End	983
GI	18443_1.R1084	Score	910
Exons	439..983		
GI Descrip.	'4455276/emb CAB36812.1 3.0e-26 (AL035527) peptide transporter-like protein [Arabidopsis thaliana]'		

Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2577	Strand	-
Start	797	End	3673
Name	OJ990503_03.9A01.C19.o1.gs	Method	GENSCAN
Start	797	End	3673
GI	none	Score	.74
Exons	797..1676, 1750..2306, 2668..2732, 2772..2989, 3149..3240, 3389..3673		

Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2577	Strand	-
Start	797	End	3673
Name	OJ990503_03.9A01.C19.o1.np	Method	AAT/NAP
Start	824	End	3634
GI	4455276	Score	1466
Exons	824..1676, 1750..2306, 2772..2950, 3517..3634		
GI Descrip.	(AL035527) peptide transporter-like protein [Arabidopsis thaliana]		

Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2578	Strand	-
Start	23522	End	30644
Name	OJ990503_03.9A01.C19.o1.tw	Method	TBLASTX:Wheat
Start	882	End	1201
GI	none	Score	144
Exons	882..1193, 953..1201, 1043..1195		

Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2578	Strand	-
Start	23522	End	30644
Name	OJ990503_03.9A01.C19.o1.tm	Method	TBLASTX:Maize
Start	948	End	1613
GI	none	Score	161
Exons	948..1202, 950..1207, 1250..1327, 1325..1456, 1469..1612, 1479..1613		

Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2578	Strand	-
Start	23522	End	30644
Name	OJ990503_03.9A01.C19.o1.tc	Method	TBLASTX:Cress
Start	953	End	3604
GI	none	Score	121
Exons	953..1207, 954..1196, 1458..1604, 1469..1603, 1652..1681, 1794..2231, 1849..2178, 2772..2987, 3518..3604		

Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2578	Strand	-
Start	23522	End	30644
Name	OJ990503_03.9A01.C19.o2.ts	Method	TBLASTX:Soybean
Start	953	End	3616
GI	none	Score	100
Exons	953..1207, 1241..1444, 1463..1609, 1794..1988, 3518..3616		

Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2578	Strand	-
Start	23522	End	30644
Name	OJ990503_03.9A01.C19.o2.tm	Method	TBLASTX:Maize
Start	1803	End	2213
GI	none	Score	96
Exons	1803..2213, 2038..2190		

Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2578	Strand	-
Start	23522	End	30644
Name	OJ990503_03.9A01.C19.o1.ts	Method	TBLASTX:Soybean
Start	1992	End	2933
GI	none	Score	172
Exons	1992..2267, 1999..2262, 2772..2933, 2776..2877		

Seq. No.	1273	Seq. ID	OJ990503_03.9A01.C19
Gene No.	2578	Strand	-
Start	23522	End	30644
Name	OJ990503_03.9A01.C19.o7.gs	Method	GENSCAN
Start	23522	End	30644
GI	none	Score	.64
Exons	23522..23961, 25564..25642, 27172..27276, 30606..30644		

Seq. No.	1274	Seq. ID	OJ990503_03.9A01.C20
Gene No.	2579	Strand	+
Start	1	End	3419
Name	OJ990503_03.9A01.C20.o1.np	Method	AAT/NAP
Start	1	End	2857
GI	3927836	Score	835
Exons	1..946, 1274..1387, 1625..1889, 2745..2857		

GI Descrip. (AC005727) unknown protein [Arabidopsis thaliana]

Seq. No.	1274	Seq. ID	OJ990503_03.9A01.C20
Gene No.	2579	Strand	+
Start	1	End	3419
Name	OJ990503_03.9A01.C20.o1.gs	Method	GENSCAN
Start	74	End	2869
GI	none	Score	.86
Exons	74..946, 1274..1387, 1625..1889, 2745..2869		

Seq. No.	1274	Seq. ID	OJ990503_03.9A01.C20
Gene No.	2579	Strand	+
Start	1	End	3419
Name	OJ990503_03.9A01.C20.o2.tc	Method	TBLASTX:Cress
Start	205	End	373
GI	none	Score	226
Exons	205..336, 206..373		

Seq. No.	1274	Seq. ID	OJ990503_03.9A01.C20
Gene No.	2579	Strand	+
Start	1	End	3419
Name	OJ990503_03.9A01.C20.o2.tm	Method	TBLASTX:Maize
Start	206	End	403
GI	none	Score	236
Exons	206..403, 211..369		

Seq. No.	1274	Seq. ID	OJ990503_03.9A01.C20
Gene No.	2579	Strand	+
Start	1	End	3419
Name	OJ990503_03.9A01.C20.o2.ts	Method	TBLASTX:Soybean
Start	206	End	379
GI	none	Score	216
Exons	206..379, 211..336		

Seq. No.	1274	Seq. ID	OJ990503_03.9A01.C20
Gene No.	2579	Strand	+
Start	1	End	3419
Name	OJ990503_03.9A01.C20.o1.tc	Method	TBLASTX:Cress
Start	1271	End	2863
GI	none	Score	150
Exons	1271..1387, 1271..1390, 1285..1401, 1627..1896, 1634..1891, 2744..2863, 2788..2862		

Seq. No.	1274	Seq. ID	OJ990503_03.9A01.C20
Gene No.	2579	Strand	+
Start	1	End	3419
Name	OJ990503_03.9A01.C20.o3.tm	Method	TBLASTX:Maize
Start	1334	End	2857
GI	none	Score	78
Exons	1334..1387, 2744..2857, 2785..2856		

Seq. No.	1274	Seq. ID	OJ990503_03.9A01.C20
Gene No.	2579	Strand	+
Start	1	End	3419
Name	OJ990503_03.9A01.C20.o1.ts	Method	TBLASTX:Soybean
Start	1621	End	2827
GI	none	Score	337

Exons 1621..1899, 1622..1891, 2744..2827

Seq. No.	1274	Seq. ID	OJ990503_03.9A01.C20
Gene No.	2579	Strand	+
Start	1	End	3419
Name	OJ990503_03.9A01.C20.ol.tm	Method	TBLASTX:Maize
Start	1634	End	1893
GI	none	Score	430
Exons	1634..1891, 1634..1888, 1639..1893		

Seq. No.	1274	Seq. ID	OJ990503_03.9A01.C20
Gene No.	2579	Strand	+
Start	1	End	3419
Name	OJ990503_03.9A01.C20.ol.gp	Method	AAT/GAP
Start	1780	End	3419
GI	20235_1.R1084	Score	1474
Exons	1780..1889, 2745..3419		
GI Descrip.	'3927836 2.0e-21 (AC005727) unknown protein [Arabidopsis thaliana]'		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2580	Strand	+
Start	181	End	1458
Name	OJ990503_03.9A01.C21.ol.gs	Method	GENSCAN
Start	181	End	1458
GI	none	Score	.52
Exons	181..1458		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2580	Strand	+
Start	181	End	1458
Name	OJ990503_03.9A01.C21.ol.np	Method	AAT/NAP
Start	181	End	1449
GI	4510376	Score	409
Exons	181..446, 477..1449		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2581	Strand	+
Start	3899	End	14863
Name	OJ990503_03.9A01.C21.ol.gp	Method	AAT/GAP
Start	3749	End	7097
GI	34884_1.R1084	Score	1858
Exons	3749..3981, 4728..4904, 5576..5666, 5763..5857, 5980..6069, 6390..6438, 6542..6680, 6825..6941, 7038..7097		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2581	Strand	+
Start	3899	End	14863
Name	OJ990503_03.9A01.C21.o2.gs	Method	GENSCAN
Start	3899	End	14754
GI	none	Score	.77
Exons	3899..3981, 4727..4904, 5576..5666, 5736..5857, 5980..6069, 6390..6438, 6542..6680, 6825..6941, 7038..7128, 7205..7347, 7610..7724, 8040..8084, 8166..8239, 10341..10470, 11015..11386,		

11903..12156, 12266..12374, 12873..13011, 13880..14024,
14126..14282, 14364..14397, 14645..14754

Seq. No. 1275 Seq. ID OJ990503_03.9A01.C21
Gene No. 2581 Strand +
Start 3899 End 14863
Name OJ990503_03.9A01.C21.o2.np Method AAT/NAP
Start 3899 End 8243
GI 2271477 Score 1806
Exons 3899..3981, 4727..4904, 5576..5666, 5763..5857, 5980..6069,
6390..6438, 6542..6680, 6825..6941, 7038..7128, 7205..7347,
7610..7724, 8040..8084, 8166..8243
GI Descrip. (AF009631) AP47/50p [Arabidopsis thaliana]

Seq. No. 1275 Seq. ID OJ990503_03.9A01.C21
Gene No. 2581 Strand +
Start 3899 End 14863
Name OJ990503_03.9A01.C21.o2.gp Method AAT/GAP
Start 7302 End 8611
GI 22570_1.R1084 Score 1185
Exons 7302..7347, 7610..7724, 8040..8084, 8166..8611
GI Descrip. '2245141/emb|CAB10562.1| 1.0e-17 (Z97344) acetylornithine
deacetylase [Arabidopsis thaliana]'

Seq. No. 1275 Seq. ID OJ990503_03.9A01.C21
Gene No. 2581 Strand +
Start 3899 End 14863
Name OJ990503_03.9A01.C21.o3.gp Method AAT/GAP
Start 10964 End 11313
GI 5607379 Score 679
Exons 10964..11313
GI Descrip. 2245141/emb|CAB10562.1| 1.0e-17 (Z97344) acetylornithine
deacetylase [Arabidopsis thaliana]

Seq. No. 1275 Seq. ID OJ990503_03.9A01.C21
Gene No. 2581 Strand +
Start 3899 End 14863
Name OJ990503_03.9A01.C21.o3.np Method AAT/NAP
Start 11168 End 14748
GI 5738376 Score 1317
Exons 11168..11386, 11903..12156, 12266..12374, 12873..13011,
13126..13183, 13902..14024, 14126..14282, 14364..14397,
14645..14748
GI Descrip. (AL021889) N-acetylornithine deacetylase-like protein, fragment
[Arabidopsis thaliana]

Seq. No. 1275 Seq. ID OJ990503_03.9A01.C21
Gene No. 2581 Strand +
Start 3899 End 14863
Name OJ990503_03.9A01.C21.o4.gp Method AAT/GAP
Start 12965 End 14863
GI 11461_1.R1084 Score 1135
Exons 12965..13011, 13126..13183, 13902..14024, 14126..14282,
14364..14397, 14645..14863
GI Descrip. '2245141/emb|CAB10562.1| 1.0e-17 (Z97344) acetylornithine
deacetylase [Arabidopsis thaliana]'

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2582	Strand	-
Start	15044	End	19953
Name	OJ990503_03.9A01.C21.o3.gs	Method	GENSCAN
Start	15044	End	19953
GI	none	Score	.77
Exons	15044..15172, 15881..15904, 16021..16186, 16255..16348, 16590..16650, 16735..17020, 19916..19953		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2583	Strand	-
Start	20553	End	24591
Name	OJ990503_03.9A01.C21.o4.gs	Method	GENSCAN
Start	20553	End	24591
GI	none	Score	.53
Exons	20553..20657, 23306..23356, 23410..23508, 23541..23669, 23702..23801, 24206..24341, 24447..24591		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2584	Strand	-
Start	26644	End	31012
Name	OJ990503_03.9A01.C21.o4.ts	Method	TBLASTX:Soybean
Start	195	End	402
GI	none	Score	75
Exons	195..344, 202..357, 213..347, 357..392, 358..402		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2584	Strand	-
Start	26644	End	31012
Name	OJ990503_03.9A01.C21.o4.tm	Method	TBLASTX:Maize
Start	202	End	402
GI	none	Score	124
Exons	202..303, 213..302, 282..392, 313..402		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2584	Strand	-
Start	26644	End	31012
Name	OJ990503_03.9A01.C21.o5.ts	Method	TBLASTX:Soybean
Start	1021	End	1430
GI	none	Score	214
Exons	1021..1422, 1128..1430		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2584	Strand	-
Start	26644	End	31012
Name	OJ990503_03.9A01.C21.o3.tm	Method	TBLASTX:Maize
Start	3887	End	5880
GI	none	Score	154
Exons	3887..3982, 4725..4904, 4726..4839, 4726..4905, 4728..4919, 5573..5665, 5573..5665, 5575..5670, 5755..5853, 5757..5852, 5762..5857, 5764..5880		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2584	Strand	-
Start	26644	End	31012
Name	OJ990503_03.9A01.C21.o1.tc	Method	TBLASTX:Cress
Start	3899	End	8254

GI	none	Score	136
Exons	3899..3982, 4725..4904, 4728..4919, 5568..5657, 5573..5665, 5574..5654, 5575..5670, 5758..5886, 5762..5857, 5976..6071, 5980..6072, 5990..6076, 5991..6086, 6387..6440, 6387..6437, 6389..6442, 6531..6629, 6533..6628, 6534..6680, 6535..6678, 6807..6944, 6823..6942, 7036..7131, 7038..7133, 7202..7348, 7204..7347, 7218..7352, 7605..7727, 7610..7726, 7647..7727, 8039..8092, 8040..8087, 8146..8211, 8163..8246, 8164..8211, 8165..8254, 8165..8242		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2584	Strand	-
Start	26644	End	31012
Name	OJ990503_03.9A01.C21.o1.ts	Method	TBLASTX:Soybean
Start	3899	End	7726
GI	none	Score	141
Exons	3899..3982, 4724..4849, 4725..4904, 4726..4905, 4728..4919, 5573..5665, 5575..5670, 5755..5886, 5762..5857, 5764..5865, 5975..6070, 5976..6071, 5978..6070, 5980..6072, 5985..6086, 6387..6440, 6389..6439, 6534..6680, 6535..6678, 6544..6705, 6819..6944, 6823..6942, 6836..6955, 7036..7131, 7038..7130, 7207..7347, 7217..7348, 7223..7348, 7605..7724, 7610..7726		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2584	Strand	-
Start	26644	End	31012
Name	OJ990503_03.9A01.C21.o1.tm	Method	TBLASTX:Maize
Start	5973	End	8623
GI	none	Score	158
Exons	5973..6071, 5980..6072, 6387..6440, 6389..6451, 6534..6680, 6535..6678, 6540..6695, 6822..6944, 6823..6942, 7036..7131, 7038..7133, 7202..7348, 7204..7347, 7205..7348, 7218..7349, 7605..7727, 7610..7726, 7611..7727, 8030..8092, 8040..8087, 8151..8246, 8163..8249, 8164..8253, 8317..8349, 8317..8346, 8358..8411, 8392..8490, 8412..8492, 8558..8623, 8577..8603		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2584	Strand	-
Start	26644	End	31012
Name	OJ990503_03.9A01.C21.o2.tw	Method	TBLASTX:Wheat
Start	8001	End	8409
GI	none	Score	97
Exons	8001..8087, 8021..8086, 8022..8090, 8160..8258, 8160..8258, 8164..8259, 8164..8268, 8281..8304, 8320..8349, 8365..8409		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2584	Strand	-
Start	26644	End	31012
Name	OJ990503_03.9A01.C21.o6.ts	Method	TBLASTX:Soybean
Start	8039	End	8246
GI	none	Score	78
Exons	8039..8092, 8040..8087, 8161..8241, 8163..8246, 8165..8245		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2584	Strand	-
Start	26644	End	31012
Name	OJ990503_03.9A01.C21.o2.tc	Method	TBLASTX:Cress

Start	11060	End	12010
GI	none	Score	390
Exons	11060..11386, 11071..11169, 11230..11388, 11903..11938, 11933..12010, 11956..12009		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2584	Strand	-
Start	26644	End	31012
Name	OJ990503_03.9A01.C21.o2.ts	Method	TBLASTX:Soybean
Start	11060	End	12022
GI	none	Score	361
Exons	11060..11386, 11077..11388, 11895..11930, 11903..11938, 11939..12022, 11956..12021		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2584	Strand	-
Start	26644	End	31012
Name	OJ990503_03.9A01.C21.o1.tw	Method	TBLASTX:Wheat
Start	11216	End	12320
GI	none	Score	267
Exons	11216..11386, 11216..11278, 11221..11388, 11901..12158, 11902..12159, 11902..12159, 12265..12318, 12266..12319, 12267..12320		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2584	Strand	-
Start	26644	End	31012
Name	OJ990503_03.9A01.C21.o2.tm	Method	TBLASTX:Maize
Start	11335	End	14688
GI	none	Score	71
Exons	11335..11388, 11339..11386, 11902..12159, 11903..12157, 12240..12254, 12266..12373, 12267..12374, 12268..12375, 12842..13009, 12870..13010, 12870..13010, 12871..13011, 13074..13184, 13127..13189, 13128..13184, 13819..13962, 13965..14024, 13966..14025, 14121..14282, 14124..14282, 14126..14284, 14156..14284, 14349..14399, 14360..14398, 14623..14688, 14643..14687		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2584	Strand	-
Start	26644	End	31012
Name	OJ990503_03.9A01.C21.o3.ts	Method	TBLASTX:Soybean
Start	12038	End	14013
GI	none	Score	88
Exons	12038..12157, 12049..12159, 12055..12159, 12254..12361, 12267..12374, 12269..12367, 12870..13010, 12872..13009, 12875..13012, 13127..13216, 13128..13205, 13819..14013, 13899..14012		

Seq. No.	1275	Seq. ID	OJ990503_03.9A01.C21
Gene No.	2584	Strand	-
Start	26644	End	31012
Name	OJ990503_03.9A01.C21.o5.gs	Method	GENSCAN
Start	26644	End	31012
GI	none	Score	.68
Exons	26644..26786, 30883..31012		

Seq. No.	1276	Seq. ID	OJ990503_03.9A01.C24
Gene No.	2585	Strand	+
Start	37	End	555
Name	OJ990503_03.9A01.C24.o1.gs	Method	GENSCAN
Start	37	End	555
GI	none	Score	.47
Exons	37..555		

Seq. No.	1276	Seq. ID	OJ990503_03.9A01.C24
Gene No.	2586	Strand	+
Start	6990	End	8751
Name	OJ990503_03.9A01.C24.o4.gs	Method	GENSCAN
Start	6990	End	8751
GI	none	Score	.44
Exons	6990..7061, 7265..7444, 8641..8751		

Seq. No.	1276	Seq. ID	OJ990503_03.9A01.C24
Gene No.	2587	Strand	-
Start	1	End	8257
Name	OJ990503_03.9A01.C24.o1.np	Method	AAT/NAP
Start	1	End	8257
GI	6721547	Score	95
Exons	1..297, 8144..8257		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	1276	Seq. ID	OJ990503_03.9A01.C24
Gene No.	2587	Strand	-
Start	1	End	8257
Name	OJ990503_03.9A01.C24.o1.tm	Method	TBLASTX:Maize
Start	157	End	421
GI	none	Score	78
Exons	157..228, 158..214, 166..237, 200..238, 331..378, 356..379, 370..420, 371..421		

Seq. No.	1276	Seq. ID	OJ990503_03.9A01.C24
Gene No.	2587	Strand	-
Start	1	End	8257
Name	OJ990503_03.9A01.C24.o1.gp	Method	AAT/GAP
Start	228	End	583
GI	none	Score	634
Exons	228..583		

Seq. No.	1276	Seq. ID	OJ990503_03.9A01.C24
Gene No.	2587	Strand	-
Start	1	End	8257
Name	OJ990503_03.9A01.C24.o2.gs	Method	GENSCAN
Start	1744	End	2803
GI	none	Score	.91
Exons	1744..1971, 2564..2803		

Seq. No.	1276	Seq. ID	OJ990503_03.9A01.C24
Gene No.	2587	Strand	-
Start	1	End	8257
Name	OJ990503_03.9A01.C24.o3.gs	Method	GENSCAN
Start	3802	End	5618
GI	none	Score	.72
Exons	3802..4256, 5022..5149, 5473..5618		

Seq. No.	1277	Seq. ID	OJ990503_03.9A01.C25
Gene No.	2588	Strand	+
Start	1	End	2147
Name	OJ990503_03.9A01.C25.o1.np	Method	AAT/NAP
Start	1	End	2147
GI	2245022	Score	97
Exons	1..29, 234..365, 405..574, 2082..2147		
GI Descrip.	(Z97341) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1277	Seq. ID	OJ990503_03.9A01.C25
Gene No.	2588	Strand	+
Start	1	End	2147
Name	OJ990503_03.9A01.C25.o1.gs	Method	GENSCAN
Start	223	End	1322
GI	none	Score	.92
Exons	223..574, 660..773, 1129..1322		

Seq. No.	1277	Seq. ID	OJ990503_03.9A01.C25
Gene No.	2589	Strand	+
Start	6451	End	6847
Name	OJ990503_03.9A01.C25.o2.gp	Method	AAT/GAP
Start	6451	End	6847
GI	none	Score	584
Exons	6451..6758, 6814..6847		

Seq. No.	1277	Seq. ID	OJ990503_03.9A01.C25
Gene No.	2590	Strand	-
Start	2118	End	2663
Name	OJ990503_03.9A01.C25.o2.gs	Method	GENSCAN
Start	2118	End	2663
GI	none	Score	1
Exons	2118..2663		

Seq. No.	1277	Seq. ID	OJ990503_03.9A01.C25
Gene No.	2591	Strand	-
Start	5721	End	6756
Name	OJ990503_03.9A01.C25.o1.tc	Method	TBLASTX:Cress
Start	2121	End	2529
GI	none	Score	116
Exons	2121..2216, 2122..2214, 2181..2504, 2191..2529		

Seq. No.	1277	Seq. ID	OJ990503_03.9A01.C25
Gene No.	2591	Strand	-
Start	5721	End	6756
Name	OJ990503_03.9A01.C25.o1.ts	Method	TBLASTX:Soybean
Start	2269	End	2538
GI	none	Score	182
Exons	2269..2538, 2271..2537		

Seq. No.	1277	Seq. ID	OJ990503_03.9A01.C25
Gene No.	2591	Strand	-
Start	5721	End	6756
Name	OJ990503_03.9A01.C25.o1.gp	Method	AAT/GAP
Start	5334	End	5552
GI	427145	Score	398
Exons	5334..5552		

Seq. No.	1277	Seq. ID	OJ990503_03.9A01.C25
Gene No.	2591	Strand	-
Start	5721	End	6756
Name	OJ990503_03.9A01.C25.o1.tm	Method	TBLASTX:Maize
Start	5345	End	5834
GI	none	Score	68
Exons	5345..5377, 5346..5411, 5362..5418, 5369..5419, 5405..5569, 5419..5565, 5421..5603, 5450..5578, 5631..5807, 5635..5808, 5635..5775, 5636..5788, 5637..5834		

Seq. No.	1277	Seq. ID	OJ990503_03.9A01.C25
Gene No.	2591	Strand	-
Start	5721	End	6756
Name	OJ990503_03.9A01.C25.o3.gs	Method	GENSCAN
Start	5721	End	6756
GI	none	Score	.7
Exons	5721..6132, 6290..6756		

Seq. No.	1277	Seq. ID	OJ990503_03.9A01.C25
Gene No.	2591	Strand	-
Start	5721	End	6756
Name	OJ990503_03.9A01.C25.o2.tm	Method	TBLASTX:Maize
Start	5948	End	6492
GI	none	Score	125
Exons	5948..6133, 5955..6134, 5959..6141, 5963..6136, 6289..6444, 6289..6492		

Seq. No.	1278	Seq. ID	OJ990503_03.9A01.C26
Gene No.	2592	Strand	-
Start	1	End	2764
Name	OJ990503_03.9A01.C26.o1.np	Method	AAT/NAP
Start	1	End	2764
GI	5730067	Score	771
Exons	1..110, 1391..1452, 1612..2764		
GI Descrip.	Snf2-related CBP activator protein gi 5106572 gb AAD39760.1 AF143946_1 (AF143946) transcriptional activator SRCAP [Homo sapiens]		

Seq. No.	1278	Seq. ID	OJ990503_03.9A01.C26
Gene No.	2592	Strand	-
Start	1	End	2764
Name	OJ990503_03.9A01.C26.o3.tm	Method	TBLASTX:Maize
Start	3	End	1547
GI	none	Score	63
Exons	3..113, 7..111, 874..900, 877..945, 878..955, 1018..1086, 1021..1083, 1022..1084, 1023..1091, 1026..1088, 1229..1435, 1232..1435, 1249..1455, 1344..1547, 1345..1545		

Seq. No.	1278	Seq. ID	OJ990503_03.9A01.C26
Gene No.	2592	Strand	-
Start	1	End	2764
Name	OJ990503_03.9A01.C26.o1.gs	Method	GENSCAN
Start	574	End	2678
GI	none	Score	.71
Exons	574..694, 876..943, 1021..1085, 1250..2678		

Seq. No.	1278	Seq. ID	OJ990503_03.9A01.C26
Gene No.	2592	Strand	-
Start	1	End	2764
Name	OJ990503_03.9A01.C26.o2.tm	Method	TBLASTX:Maize
Start	1656	End	1905
GI	none	Score	117
Exons	1656..1904, 1670..1759, 1719..1904, 1753..1905, 1807..1905		

Seq. No.	1278	Seq. ID	OJ990503_03.9A01.C26
Gene No.	2592	Strand	-
Start	1	End	2764
Name	OJ990503_03.9A01.C26.o1.tc	Method	TBLASTX:Cress
Start	1944	End	2405
GI	none	Score	108
Exons	1944..2192, 1965..2156, 2041..2187, 2208..2405		

Seq. No.	1278	Seq. ID	OJ990503_03.9A01.C26
Gene No.	2592	Strand	-
Start	1	End	2764
Name	OJ990503_03.9A01.C26.o1.ts	Method	TBLASTX:Soybean
Start	1944	End	2405
GI	none	Score	111
Exons	1944..2192, 1950..2135, 2041..2187, 2208..2405		

Seq. No.	1278	Seq. ID	OJ990503_03.9A01.C26
Gene No.	2592	Strand	-
Start	1	End	2764
Name	OJ990503_03.9A01.C26.o1.tm	Method	TBLASTX:Maize
Start	1950	End	2405
GI	none	Score	76
Exons	1950..2135, 1950..2405, 2044..2175		

Seq. No.	1278	Seq. ID	OJ990503_03.9A01.C26
Gene No.	2592	Strand	-
Start	1	End	2764
Name	OJ990503_03.9A01.C26.o4.tm	Method	TBLASTX:Maize
Start	2406	End	2764
GI	none	Score	76
Exons	2406..2501, 2407..2502, 2408..2443, 2409..2504, 2499..2552, 2499..2627, 2500..2553, 2523..2762, 2559..2762, 2593..2763, 2611..2763, 2612..2764		

Seq. No.	1279	Seq. ID	OJ990503_03.9A01.C28
Gene No.	2593	Strand	-
Start	50	End	401
Name	OJ990503_03.9A01.C28.o1.gs	Method	GENSCAN
Start	50	End	376
GI	none	Score	.91
Exons	50..376		

Seq. No.	1279	Seq. ID	OJ990503_03.9A01.C28
Gene No.	2593	Strand	-
Start	50	End	401
Name	OJ990503_03.9A01.C28.o1.tc	Method	TBLASTX:Cress
Start	71	End	400
GI	none	Score	88
Exons	71..280, 314..400		

Seq. No.	1279	Seq. ID	OJ990503_03.9A01.C28
Gene No.	2593	Strand	-
Start	50	End	401
Name	OJ990503_03.9A01.C28.o1.tm	Method	TBLASTX:Maize
Start	71	End	398
GI	none	Score	73
Exons	71..280, 168..317, 314..397, 315..398		

Seq. No.	1279	Seq. ID	OJ990503_03.9A01.C28
Gene No.	2593	Strand	-
Start	50	End	401
Name	OJ990503_03.9A01.C28.o1.ts	Method	TBLASTX:Soybean
Start	71	End	401
GI	none	Score	62
Exons	71..280, 314..400, 315..401		

Seq. No.	1280	Seq. ID	OJ990503_03.9A01.C31
Gene No.	2594	Strand	+
Start	1	End	611
Name	OJ990503_03.9A01.C31.o1.np	Method	AAT/NAP
Start	1	End	611
GI	5738376	Score	255
Exons	1..611		
GI Descrip.	(AL021889) N-acetylornithine deacetylase-like protein, fragment [Arabidopsis thaliana]		

Seq. No.	1280	Seq. ID	OJ990503_03.9A01.C31
Gene No.	2594	Strand	+
Start	1	End	611
Name	OJ990503_03.9A01.C31.o1.tw	Method	TBLASTX:Wheat
Start	154	End	412
GI	none	Score	312
Exons	154..411, 155..412, 155..412		

Seq. No.	1280	Seq. ID	OJ990503_03.9A01.C31
Gene No.	2594	Strand	+
Start	1	End	611
Name	OJ990503_03.9A01.C31.o1.tm	Method	TBLASTX:Maize
Start	155	End	412
GI	none	Score	324
Exons	155..412, 156..410		

Seq. No.	1280	Seq. ID	OJ990503_03.9A01.C31
Gene No.	2594	Strand	+
Start	1	End	611
Name	OJ990503_03.9A01.C31.o1.gs	Method	GENSCAN
Start	156	End	409
GI	none	Score	.87
Exons	156..409		

Seq. No.	1281	Seq. ID	OJ990503_03.9A01.C33
Gene No.	2595	Strand	-
Start	744	End	1285
Name	OJ990503_03.9A01.C33.o1.gs	Method	GENSCAN
Start	744	End	1285
GI	none	Score	.53

Exons 744..845, 978..1092, 1171..1285

Seq. No.	1282	Seq. ID	OJ990503_03.9A01.C34
Gene No.	2596	Strand	-
Start	21	End	1140
Name	OJ990503_03.9A01.C34.o1.gs	Method	GENSCAN
Start	21	End	1140
GI	none	Score	.61
Exons	21..95, 174..376, 852..945, 988..1140		

Seq. No.	1283	Seq. ID	OJ990503_03.9A01.C35
Gene No.	2597	Strand	+
Start	259	End	1244
Name	OJ990503_03.9A01.C35.o1.np	Method	AAT/NAP
Start	259	End	1224
GI	5730067	Score	100
Exons	259..303, 393..645, 1109..1224		
GI Descrip.	Snf2-related CBP activator protein gi 5106572 gb AAD39760.1 AF143946_1 (AF143946) transcriptional activator SRCAP [Homo sapiens]		

Seq. No.	1283	Seq. ID	OJ990503_03.9A01.C35
Gene No.	2597	Strand	+
Start	259	End	1244
Name	OJ990503_03.9A01.C35.o1.gs	Method	GENSCAN
Start	393	End	1244
GI	none	Score	.79
Exons	393..481, 588..724, 809..858, 1109..1244		

Seq. No.	1284	Seq. ID	OJ990503_03.9A01.C36
Gene No.	2598	Strand	-
Start	47	End	170
Name	OJ990503_03.9A01.C36.o1.gs	Method	GENSCAN
Start	47	End	170
GI	none	Score	.46
Exons	47..170		

Seq. No.	1285	Seq. ID	OJ990723_09.9A14.C1
Gene No.	2599	Strand	+
Start	3156	End	7006
Name	OJ990723_09.9A14.C1.o2.gp	Method	AAT/GAP
Start	3156	End	7006
GI	none	Score	1874
Exons	3156..3394, 3535..3585, 5259..5406, 6270..6326, 6413..6472, 6556..7006		

Seq. No.	1285	Seq. ID	OJ990723_09.9A14.C1
Gene No.	2599	Strand	+
Start	3156	End	7006
Name	OJ990723_09.9A14.C1.o2.np	Method	AAT/NAP
Start	5245	End	6642
GI	6735329	Score	361
Exons	5245..5406, 6270..6326, 6413..6472, 6556..6642		
GI Descrip.	(AL137081) putative protein [Arabidopsis thaliana]		

Seq. No.	1285	Seq. ID	OJ990723_09.9A14.C1
Gene No.	2600	Strand	-

Start	52	End	6921
Name	OJ990723_09.9A14.C1.o1.np	Method	AAT/NAP
Start	52	End	2925
GI	6175161	Score	768
Exons	52..313, 461..846, 988..1077, 1171..1458, 2682..2925		
GI Descrip.	(AC011437) unknown protein [Arabidopsis thaliana]		

Seq. No.	1285	Seq. ID	OJ990723_09.9A14.C1
Gene No.	2600	Strand	-
Start	52	End	6921
Name	OJ990723_09.9A14.C1.o1.gp	Method	AAT/GAP
Start	166	End	545
GI	3768195	Score	411
Exons	166..313, 461..545		

Seq. No.	1285	Seq. ID	OJ990723_09.9A14.C1
Gene No.	2600	Strand	-
Start	52	End	6921
Name	OJ990723_09.9A14.C1.o2.ts	Method	TBLASTX:Soybean
Start	166	End	309
GI	none	Score	139
Exons	166..309, 167..307		

Seq. No.	1285	Seq. ID	OJ990723_09.9A14.C1
Gene No.	2600	Strand	-
Start	52	End	6921
Name	OJ990723_09.9A14.C1.o1.gs	Method	GENSCAN
Start	175	End	6921
GI	none	Score	.58
Exons	175..313, 461..846, 988..1077, 1171..1454, 2712..2973, 3070..3314, 6485..6629, 6865..6921		

Seq. No.	1285	Seq. ID	OJ990723_09.9A14.C1
Gene No.	2600	Strand	-
Start	52	End	6921
Name	OJ990723_09.9A14.C1.o3.tm	Method	TBLASTX:Maize
Start	221	End	741
GI	none	Score	85
Exons	221..313, 226..312, 236..313, 238..315, 450..605, 460..606, 461..724, 473..607, 532..741		

Seq. No.	1285	Seq. ID	OJ990723_09.9A14.C1
Gene No.	2600	Strand	-
Start	52	End	6921
Name	OJ990723_09.9A14.C1.o1.tm	Method	TBLASTX:Maize
Start	825	End	1454
GI	none	Score	35
Exons	825..863, 982..1080, 988..1074, 990..1094, 990..1127, 1168..1452, 1172..1453, 1173..1454		

Seq. No.	1285	Seq. ID	OJ990723_09.9A14.C1
Gene No.	2600	Strand	-
Start	52	End	6921
Name	OJ990723_09.9A14.C1.o1.ts	Method	TBLASTX:Soybean
Start	1195	End	1456
GI	none	Score	262
Exons	1195..1455, 1196..1456		

Seq. No.	1285	Seq. ID	OJ990723_09.9A14.C1
Gene No.	2600	Strand	-
Start	52	End	6921
Name	OJ990723_09.9A14.C1.o1.tw	Method	TBLASTX:Wheat
Start	5251	End	6327
GI	none	Score	209
Exons	5251..5412, 5261..5410, 6267..6326, 6272..6325, 6277..6327, 6277..6327		

Seq. No.	1285	Seq. ID	OJ990723_09.9A14.C1
Gene No.	2600	Strand	-
Start	52	End	6921
Name	OJ990723_09.9A14.C1.o2.tm	Method	TBLASTX:Maize
Start	5251	End	6803
GI	none	Score	210
Exons	5251..5412, 5261..5332, 5289..5405, 5296..5406, 6265..6345, 6267..6326, 6271..6345, 6412..6474, 6413..6475, 6416..6475, 6549..6650, 6557..6649, 6747..6803		

Seq. No.	1285	Seq. ID	OJ990723_09.9A14.C1
Gene No.	2600	Strand	-
Start	52	End	6921
Name	OJ990723_09.9A14.C1.o1.tc	Method	TBLASTX:Cress
Start	5266	End	6669
GI	none	Score	164
Exons	5266..5412, 6267..6326, 6269..6325, 6274..6336, 6412..6474, 6413..6475, 6413..6475, 6549..6647, 6556..6669		

Seq. No.	1286	Seq. ID	OJ990723_09.9A14.C2
Gene No.	2601	Strand	+
Start	2545	End	2862
Name	OJ990723_09.9A14.C2.o1.np	Method	AAT/NAP
Start	2545	End	2862
GI	6175162	Score	180
Exons	2545..2862		
GI Descrip.	(AC011437) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1286	Seq. ID	OJ990723_09.9A14.C2
Gene No.	2601	Strand	+
Start	2545	End	2862
Name	OJ990723_09.9A14.C2.o1.gs	Method	GENSCAN
Start	2572	End	2844
GI	none	Score	.92
Exons	2572..2844		

Seq. No.	1287	Seq. ID	OJ990723_09.9A14.C5
Gene No.	2602	Strand	+
Start	689	End	3798
Name	OJ990723_09.9A14.C5.o1.gs	Method	GENSCAN
Start	689	End	3789
GI	none	Score	.85
Exons	689..849, 1361..3142, 3262..3789		

Seq. No.	1287	Seq. ID	OJ990723_09.9A14.C5
Gene No.	2602	Strand	+
Start	689	End	3798

Name	OJ990723_09.9A14.C5.o2.np	Method	AAT/NAP
Start	1385	End	3797
GI	3687654	Score	1430
Exons	1385..3142, 3262..3797		
GI Descrip.	(AF047975) putative ethylene receptor; ETR2 [Arabidopsis thaliana]		

Seq. No.	1287	Seq. ID	OJ990723_09.9A14.C5
Gene No.	2602	Strand	+
Start	689	End	3798
Name	OJ990723_09.9A14.C5.o1.np	Method	AAT/NAP
Start	1399	End	3798
GI	6136818	Score	1685
Exons	1399..3142, 3262..3798		
GI Descrip.	(AB026500) ethylene receptor CS-ETR2 [Cucumis sativus]		

Seq. No.	1287	Seq. ID	OJ990723_09.9A14.C5
Gene No.	2603	Strand	+
Start	14041	End	14451
Name	OJ990723_09.9A14.C5.o5.gs	Method	GENSCAN
Start	14041	End	14451
GI	none	Score	.9
Exons	14041..14451		

Seq. No.	1287	Seq. ID	OJ990723_09.9A14.C5
Gene No.	2604	Strand	-
Start	5368	End	6672
Name	OJ990723_09.9A14.C5.o1.gp	Method	AAT/GAP
Start	5368	End	6410
GI	16969_2.R1084	Score	925
Exons	5368..5734, 6257..6410		
GI Descrip.	'3687251 1.0e-20 (AC005169) unknown protein [Arabidopsis thaliana]'		

Seq. No.	1287	Seq. ID	OJ990723_09.9A14.C5
Gene No.	2604	Strand	-
Start	5368	End	6672
Name	OJ990723_09.9A14.C5.o3.np	Method	AAT/NAP
Start	5618	End	6672
GI	3687251	Score	447
Exons	5618..5734, 6257..6423, 6525..6672		
GI Descrip.	(AC005169) putative ribosomal protein L28 [Arabidopsis thaliana]		

Seq. No.	1287	Seq. ID	OJ990723_09.9A14.C5
Gene No.	2605	Strand	-
Start	10307	End	10894
Name	OJ990723_09.9A14.C5.o3.gs	Method	GENSCAN
Start	10307	End	10894
GI	none	Score	.97
Exons	10307..10894		

Seq. No.	1287	Seq. ID	OJ990723_09.9A14.C5
Gene No.	2606	Strand	-
Start	12482	End	13633
Name	OJ990723_09.9A14.C5.o1.ts	Method	TBLASTX:Soybean
Start	1382	End	2686
GI	none	Score	112

Exons 1382..1402, 1523..1621, 1525..1614, 1637..2044, 1639..1821,
1906..2043, 2147..2332, 2233..2337, 2333..2686, 2506..2685

Seq. No. 1287 Seq. ID OJ990723_09.9A14.C5
Gene No. 2606 Strand -
Start 12482 End 13633
Name OJ990723_09.9A14.C5.o2.tm Method TBLASTX:Maize
Start 1520 End 2041
GI none Score 105
Exons 1520..1615, 1525..1614, 1607..2041, 1618..2040, 1826..2041

Seq. No. 1287 Seq. ID OJ990723_09.9A14.C5
Gene No. 2606 Strand -
Start 12482 End 13633
Name OJ990723_09.9A14.C5.o1.tc Method TBLASTX:Cress
Start 1523 End 3777
GI none Score 115
Exons 1523..1621, 1525..1617, 1637..2053, 1639..1821, 1927..2058,
2186..2272, 2233..2271, 2306..2683, 2350..2397, 2408..2572,
2506..2694, 2702..2893, 2713..2889, 3077..3148, 3259..3339,
3457..3498, 3655..3777

Seq. No. 1287 Seq. ID OJ990723_09.9A14.C5
Gene No. 2606 Strand -
Start 12482 End 13633
Name OJ990723_09.9A14.C5.o4.tw Method TBLASTX:Wheat
Start 1883 End 2047
GI none Score 177
Exons 1883..2047, 1907..2041

Seq. No. 1287 Seq. ID OJ990723_09.9A14.C5
Gene No. 2606 Strand -
Start 12482 End 13633
Name OJ990723_09.9A14.C5.o1.tm Method TBLASTX:Maize
Start 2195 End 3789
GI none Score 155
Exons 2195..2344, 2233..2397, 2356..2403, 2357..2920, 2506..2910,
3217..3405, 3457..3498, 3655..3789

Seq. No. 1287 Seq. ID OJ990723_09.9A14.C5
Gene No. 2606 Strand -
Start 12482 End 13633
Name OJ990723_09.9A14.C5.o3.tw Method TBLASTX:Wheat
Start 2393 End 2752
GI none Score 184
Exons 2393..2752

Seq. No. 1287 Seq. ID OJ990723_09.9A14.C5
Gene No. 2606 Strand -
Start 12482 End 13633
Name OJ990723_09.9A14.C5.o3.tm Method TBLASTX:Maize
Start 5469 End 6679
GI none Score 47
Exons 5469..5519, 5549..5584, 5610..5735, 5621..5737, 5623..5736,
6254..6418, 6255..6425, 6255..6440, 6523..6675, 6524..6679

Seq. No. 1287 Seq. ID OJ990723_09.9A14.C5

Gene No.	2606	Strand	-
Start	12482	End	13633
Name	OJ990723_09.9A14.C5.o3.ts	Method	TBLASTX:Soybean
Start	5609	End	6679
GI	none	Score	86
Exons	5609..5737, 5610..5696, 5621..5737, 6243..6371, 6254..6382, 6255..6383, 6314..6418, 6384..6425, 6523..6675, 6524..6673, 6524..6679		

Seq. No.	1287	Seq. ID	OJ990723_09.9A14.C5
Gene No.	2606	Strand	-
Start	12482	End	13633
Name	OJ990723_09.9A14.C5.o1.tw	Method	TBLASTX:Wheat
Start	5616	End	6678
GI	none	Score	113
Exons	5616..5696, 5616..5735, 5617..5736, 5621..5737, 6254..6418, 6255..6425, 6255..6419, 6523..6672, 6524..6673, 6525..6674, 6574..6678		

Seq. No.	1287	Seq. ID	OJ990723_09.9A14.C5
Gene No.	2606	Strand	-
Start	12482	End	13633
Name	OJ990723_09.9A14.C5.o3.tc	Method	TBLASTX:Cress
Start	5621	End	6676
GI	none	Score	64
Exons	5621..5737, 5621..5737, 6246..6377, 6254..6379, 6256..6378, 6338..6418, 6345..6425, 6521..6673, 6523..6675, 6524..6676		

Seq. No.	1287	Seq. ID	OJ990723_09.9A14.C5
Gene No.	2606	Strand	-
Start	12482	End	13633
Name	OJ990723_09.9A14.C5.o4.gs	Method	GENSCAN
Start	12482	End	13633
GI	none	Score	.88
Exons	12482..13191, 13267..13633		

Seq. No.	1287	Seq. ID	OJ990723_09.9A14.C5
Gene No.	2606	Strand	-
Start	12482	End	13633
Name	OJ990723_09.9A14.C5.o4.np	Method	AAT/NAP
Start	12578	End	13630
GI	2252830	Score	810
Exons	12578..13183, 13232..13630		
GI Descrip.	(AF013293) weak similarity to receptor protein kinase [Arabidopsis thaliana] gi 6049872 gb AAF02787.1 AF195115_7 (AF195115) weak similarity to receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	1287	Seq. ID	OJ990723_09.9A14.C5
Gene No.	2606	Strand	-
Start	12482	End	13633
Name	OJ990723_09.9A14.C5.o2.tc	Method	TBLASTX:Cress
Start	12590	End	13364
GI	none	Score	187
Exons	12590..12979, 12621..12950, 13007..13183, 13010..13093, 13014..13184, 13226..13363, 13269..13364		

Seq. No.	1287	Seq. ID	OJ990723_09.9A14.C5
Gene No.	2606	Strand	-
Start	12482	End	13633
Name	OJ990723_09.9A14.C5.o2.ts	Method	TBLASTX:Soybean
Start	12602	End	13591
GI	none	Score	47
Exons	12602..12700, 12612..12695, 12743..12973, 12789..12953, 13004..13192, 13014..13208, 13268..13462, 13269..13409, 13439..13591, 13443..13547		

Seq. No.	1287	Seq. ID	OJ990723_09.9A14.C5
Gene No.	2606	Strand	-
Start	12482	End	13633
Name	OJ990723_09.9A14.C5.o4.tm	Method	TBLASTX:Maize
Start	12638	End	13570
GI	none	Score	103
Exons	12638..12694, 12737..13006, 12789..12950, 13004..13159, 13020..13094, 13226..13408, 13463..13570		

Seq. No.	1287	Seq. ID	OJ990723_09.9A14.C5
Gene No.	2606	Strand	-
Start	12482	End	13633
Name	OJ990723_09.9A14.C5.o2.tw	Method	TBLASTX:Wheat
Start	12890	End	13331
GI	none	Score	52
Exons	12890..12979, 12891..12953, 12965..13192, 13014..13160, 13268..13330, 13269..13331		

Seq. No.	1288	Seq. ID	OJ990723_09.9A14.C6
Gene No.	2607	Strand	+
Start	1394	End	3768
Name	OJ990723_09.9A14.C6.o1.gs	Method	GENSCAN
Start	1394	End	1966
GI	none	Score	.75
Exons	1394..1966		

Seq. No.	1288	Seq. ID	OJ990723_09.9A14.C6
Gene No.	2607	Strand	+
Start	1394	End	3768
Name	OJ990723_09.9A14.C6.o1.np	Method	AAT/NAP
Start	1649	End	3768
GI	4914456	Score	1356
Exons	1649..1918, 1998..2623, 2927..3222, 3560..3768		
GI Descrip.	(AL050400) putative protein [Arabidopsis thaliana]		

Seq. No.	1288	Seq. ID	OJ990723_09.9A14.C6
Gene No.	2607	Strand	+
Start	1394	End	3768
Name	OJ990723_09.9A14.C6.o2.gs	Method	GENSCAN
Start	2061	End	2642
GI	none	Score	.94
Exons	2061..2642		

Seq. No.	1288	Seq. ID	OJ990723_09.9A14.C6
Gene No.	2607	Strand	+
Start	1394	End	3768
Name	OJ990723_09.9A14.C6.o3.gs	Method	GENSCAN

Start 3030
GI none
Exons 3030..3296

End 3296
Score .48

Seq. No. 1288 Seq. ID OJ990723_09.9A14.C6
Gene No. 2608 Strand +
Start 5658 End 8440
Name OJ990723_09.9A14.C6.o2.np Method AAT/NAP
Start 5453 End 8433
GI 4914455 Score 1049
Exons 5453..5500, 5627..5935, 6180..6275, 6403..6480, 6560..6736,
8075..8143, 8254..8433
GI Descrip. (AL050400) fibrillarin-like protein [Arabidopsis thaliana]

Seq. No. 1288 Seq. ID OJ990723_09.9A14.C6
Gene No. 2608 Strand +
Start 5658 End 8440
Name OJ990723_09.9A14.C6.o4.gs Method GENSCAN
Start 5658 End 8430
GI none Score .85
Exons 5658..5729, 5801..5935, 6180..6275, 6403..6480, 6560..6736,
8075..8143, 8254..8430

Seq. No. 1288 Seq. ID OJ990723_09.9A14.C6
Gene No. 2608 Strand +
Start 5658 End 8440
Name OJ990723_09.9A14.C6.o1.gp Method AAT/GAP
Start 8073 End 8440
GI 18556_1.R1084 Score 382
Exons 8073..8143, 8254..8440
GI Descrip. '4914455/emb|CAB43694.1| 1.0e-121 (AL050400) fibrillarin-like
protein [Arabidopsis thaliana]'

Seq. No. 1288 Seq. ID OJ990723_09.9A14.C6
Gene No. 2609 Strand -
Start 9020 End 9180
Name OJ990723_09.9A14.C6.o2.gp Method AAT/GAP
Start 9020 End 9180
GI 10360_1.R1084 Score 280
Exons 9020..9180
GI Descrip. '1808686/emb|CAA71755| 4.0e-11 (Y10783) hypothetical protein
[Sporobolus stapfianus]'

Seq. No. 1288 Seq. ID OJ990723_09.9A14.C6
Gene No. 2610 Strand -
Start 9159 End 9358
Name OJ990723_09.9A14.C6.o1.tm Method TBLASTX:Maize
Start 1597 End 2140
GI none Score 283
Exons 1597..1626, 1723..1917, 1730..1921, 1998..2138, 1998..2093,
2000..2140

Seq. No. 1288 Seq. ID OJ990723_09.9A14.C6
Gene No. 2610 Strand -
Start 9159 End 9358
Name OJ990723_09.9A14.C6.o1.ts Method TBLASTX:Soybean
Start 1736 End 2231

GI	none	Score	168
Exons	1736..1921, 1738..1914, 1992..2231, 1997..2218		
Seq. No.	1288	Seq. ID	OJ990723_09.9A14.C6
Gene No.	2610	Strand	-
Start	9159	End	9358
Name	OJ990723_09.9A14.C6.o1.tc	Method	TBLASTX:Cress
Start	1742	End	4018
GI	none	Score	122
Exons	1742..1921, 1997..2332, 1998..2300, 2438..2620, 2439..2636, 2928..3224, 3551..3604, 3598..3675, 3767..3874, 3787..3891, 3974..4018, 3985..4014		

Seq. No.	1288	Seq. ID	OJ990723_09.9A14.C6
Gene No.	2610	Strand	-
Start	9159	End	9358
Name	OJ990723_09.9A14.C6.o4.ts	Method	TBLASTX:Soybean
Start	2232	End	2549
GI	none	Score	94
Exons	2232..2300, 2240..2311, 2388..2549, 2402..2542		

Seq. No.	1288	Seq. ID	OJ990723_09.9A14.C6
Gene No.	2610	Strand	-
Start	9159	End	9358
Name	OJ990723_09.9A14.C6.o3.tm	Method	TBLASTX:Maize
Start	2549	End	3874
GI	none	Score	78
Exons	2549..2623, 2550..2621, 2927..3223, 2928..3224, 3598..3720, 3600..3674, 3787..3873, 3788..3874, 3791..3874		

Seq. No.	1288	Seq. ID	OJ990723_09.9A14.C6
Gene No.	2610	Strand	-
Start	9159	End	9358
Name	OJ990723_09.9A14.C6.o3.ts	Method	TBLASTX:Soybean
Start	2927	End	3889
GI	none	Score	332
Exons	2927..3223, 2928..3224, 3598..3678, 3782..3889		

Seq. No.	1288	Seq. ID	OJ990723_09.9A14.C6
Gene No.	2610	Strand	-
Start	9159	End	9358
Name	OJ990723_09.9A14.C6.o2.tm	Method	TBLASTX:Maize
Start	5810	End	8443
GI	none	Score	190
Exons	5810..5935, 5816..5935, 6131..6274, 6160..6276, 6177..6275, 6177..6305, 6402..6482, 6403..6480, 6405..6482, 6555..6686, 6558..6686, 6562..6732, 6563..6736, 6563..6736, 8072..8143, 8072..8155, 8074..8145, 8074..8166, 8249..8278, 8251..8430, 8253..8432, 8369..8443		

Seq. No.	1288	Seq. ID	OJ990723_09.9A14.C6
Gene No.	2610	Strand	-
Start	9159	End	9358
Name	OJ990723_09.9A14.C6.o2.ts	Method	TBLASTX:Soybean
Start	5810	End	8418
GI	none	Score	173
Exons	5810..5935, 5845..5925, 6177..6275, 6179..6274, 6405..6476,		

6405..6479, 6406..6480, 6548..6736, 6559..6735, 6616..6747,
8072..8143, 8074..8142, 8251..8418, 8253..8417

Seq. No.	1288	Seq. ID	OJ990723_09.9A14.C6
Gene No.	2610	Strand	-
Start	9159	End	9358
Name	OJ990723_09.9A14.C6.o2.tc	Method	TBLASTX:Cress
Start	5825	End	8432
GI	none	Score	150
Exons	5825..5935, 5860..5925, 6177..6275, 6178..6273, 6179..6274, 6405..6488, 6406..6489, 6562..6735, 6563..6736, 6571..6738, 8072..8143, 8074..8142, 8251..8418, 8253..8432, 8253..8417		

Seq. No.	1288	Seq. ID	OJ990723_09.9A14.C6
Gene No.	2610	Strand	-
Start	9159	End	9358
Name	OJ990723_09.9A14.C6.o3.gp	Method	AAT/GAP
Start	9159	End	9358
GI	none	Score	312
Exons	9159..9358		

Seq. No.	1289	Seq. ID	OJ990723_09.9A14.C7
Gene No.	2611	Strand	+
Start	1	End	1806
Name	OJ990723_09.9A14.C7.o1.gs	Method	GENSCAN
Start	1	End	531
GI	none	Score	.94
Exons	1..531		

Seq. No.	1289	Seq. ID	OJ990723_09.9A14.C7
Gene No.	2611	Strand	+
Start	1	End	1806
Name	OJ990723_09.9A14.C7.o1.gp	Method	AAT/GAP
Start	329	End	1806
GI	none	Score	1256
Exons	329..594, 1384..1806		

Seq. No.	1289	Seq. ID	OJ990723_09.9A14.C7
Gene No.	2612	Strand	-
Start	1324	End	1999
Name	OJ990723_09.9A14.C7.o1.tm	Method	TBLASTX:Maize
Start	1	End	1494
GI	none	Score	87
Exons	1..69, 3..68, 216..308, 226..327, 294..332, 414..506, 415..507, 422..514, 490..609, 490..570, 504..608, 1381..1494, 1383..1475		

Seq. No.	1289	Seq. ID	OJ990723_09.9A14.C7
Gene No.	2612	Strand	-
Start	1324	End	1999
Name	OJ990723_09.9A14.C7.o2.gs	Method	GENSCAN
Start	1324	End	1999
GI	none	Score	.92
Exons	1324..1456, 1857..1999		

Seq. No.	1290	Seq. ID	OJ990723_09.9A14.C8
Gene No.	2613	Strand	+
Start	2869	End	4302

Name	OJ990723_09.9A14.C8.o1.np	Method	AAT/NAP
Start	2869	End	4059
GI	2980788	Score	418
Exons	2869..3781, 3830..4059		
GI Descrip.	(AL022197) putative protein [Arabidopsis thaliana]		

Seq. No.	1290	Seq. ID	OJ990723_09.9A14.C8
Gene No.	2613	Strand	+
Start	2869	End	4302
Name	OJ990723_09.9A14.C8.o1.gp	Method	AAT/GAP
Start	3406	End	3941
GI	none	Score	1036
Exons	3406..3941		

Seq. No.	1290	Seq. ID	OJ990723_09.9A14.C8
Gene No.	2613	Strand	+
Start	2869	End	4302
Name	OJ990723_09.9A14.C8.o2.gp	Method	AAT/GAP
Start	3920	End	4302
GI	none	Score	740
Exons	3920..4302		

Seq. No.	1290	Seq. ID	OJ990723_09.9A14.C8
Gene No.	2614	Strand	+
Start	7273	End	7497
Name	OJ990723_09.9A14.C8.o1.ts	Method	TBLASTX:Soybean
Start	3180	End	3480
GI	none	Score	63
Exons	3180..3365, 3181..3378, 3186..3377, 3388..3480		

Seq. No.	1290	Seq. ID	OJ990723_09.9A14.C8
Gene No.	2614	Strand	+
Start	7273	End	7497
Name	OJ990723_09.9A14.C8.o1.tc	Method	TBLASTX:Cress
Start	3207	End	3470
GI	none	Score	221
Exons	3207..3377, 3208..3396, 3399..3470		

Seq. No.	1290	Seq. ID	OJ990723_09.9A14.C8
Gene No.	2614	Strand	+
Start	7273	End	7497
Name	OJ990723_09.9A14.C8.o1.tm	Method	TBLASTX:Maize
Start	3228	End	3930
GI	none	Score	183
Exons	3228..3383, 3229..3378, 3352..3807, 3365..3799, 3375..3803, 3376..3807, 3799..3885, 3816..3884, 3874..3930		

Seq. No.	1290	Seq. ID	OJ990723_09.9A14.C8
Gene No.	2614	Strand	+
Start	7273	End	7497
Name	OJ990723_09.9A14.C8.o3.gp	Method	AAT/GAP
Start	7273	End	7497
GI	none	Score	403
Exons	7273..7497		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2615	Strand	+

Start	1	End	2680
Name	OJ990723_09.9A14.C9.o1.np	Method	AAT/NAP
Start	1	End	2431
GI	3258575	Score	882
Exons	1..389, 459..664, 1401..1590, 2172..2431		
GI Descrip.	(U89959) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2615	Strand	+
Start	1	End	2680
Name	OJ990723_09.9A14.C9.o1.gs	Method	GENSCAN
Start	47	End	2440
GI	none	Score	.98
Exons	47..400, 422..664, 1401..1590, 2172..2440		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2615	Strand	+
Start	1	End	2680
Name	OJ990723_09.9A14.C9.o1.gp	Method	AAT/GAP
Start	2175	End	2680
GI	LIB3432-027-P1-K1-G11	Score	956
Exons	2175..2680		
GI Descrip.	'3258575 3.0e-17 (U89959) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2616	Strand	+
Start	2694	End	8314
Name	OJ990723_09.9A14.C9.o2.np	Method	AAT/NAP
Start	2694	End	6016
GI	6721512	Score	60
Exons	2694..2721, 4309..4400, 4429..4565, 4758..4788, 5957..6016		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2616	Strand	+
Start	2694	End	8314
Name	OJ990723_09.9A14.C9.o2.gs	Method	GENSCAN
Start	4162	End	8314
GI	none	Score	.83
Exons	4162..4205, 4625..4653, 4742..4805, 5606..5657, 5859..5966, 7237..7283, 7363..7465, 7547..8314		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2616	Strand	+
Start	2694	End	8314
Name	OJ990723_09.9A14.C9.o2.gp	Method	AAT/GAP
Start	5530	End	7835
GI	48996_1.R1084	Score	1228
Exons	5530..5657, 5859..5966, 6463..6509, 7237..7283, 7363..7465, 7547..7835		
GI Descrip.	'2190550 7.0e-73 (AC001229) ESTs gb_T45673,gb_N37512 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2616	Strand	+
Start	2694	End	8314

Name	OJ990723_09.9A14.C9.o3.np	Method	AAT/NAP
Start	5936	End	8299
GI	2190550	Score	1202
Exons	5936..5966, 6463..6509, 7237..7283, 7363..7465, 7547..8299		
GI Descrip.	(AC001229) ESTs gb T45673,gb N37512 come from this gene. [Arabidopsis thaliana]		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2617	Strand	+
Start	8382	End	8657
Name	OJ990723_09.9A14.C9.o3.gp	Method	AAT/GAP
Start	8382	End	8657
GI	none	Score	494
Exons	8382..8657		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2618	Strand	+
Start	9709	End	16792
Name	OJ990723_09.9A14.C9.o3.gs	Method	GENSCAN
Start	9709	End	16428
GI	none	Score	.58
Exons	9709..9811, 11291..11529, 11615..11715, 12016..12209, 12511..12629, 13250..13375, 13891..14046, 15619..16119, 16390..16428		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2618	Strand	+
Start	9709	End	16792
Name	OJ990723_09.9A14.C9.o4.gp	Method	AAT/GAP
Start	9759	End	13327
GI	21085_2.R1084	Score	1436
Exons	9759..9811, 11291..11529, 11615..11715, 12016..12209, 12511..12629, 13250..13327		
GI Descrip.	'542190/pir S42933 6.0e-67 hypothetical protein 1087 - maize >gi_459269_emb_CAA54960_ (X78029) transcribed sequence 1087 [Zea mays]'		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2618	Strand	+
Start	9709	End	16792
Name	OJ990723_09.9A14.C9.o4.np	Method	AAT/NAP
Start	11621	End	13975
GI	542190	Score	888
Exons	11621..11715, 12016..12209, 12511..12629, 13250..13375, 13707..13768, 13891..13975		
GI Descrip.	hypothetical protein 1087 - maize gi 459269 emb CAA54960 (X78029) transcribed sequence 1087 [Zea mays]		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2618	Strand	+
Start	9709	End	16792
Name	OJ990723_09.9A14.C9.o5.np	Method	AAT/NAP
Start	15664	End	16792
GI	6119531	Score	563
Exons	15664..15900, 15928..16127, 16686..16792		
GI Descrip.	(AC011560) unknown protein [Arabidopsis thaliana]		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2618	Strand	+
Start	9709	End	16792
Name	OJ990723_09.9A14.C9.o6.gp	Method	AAT/GAP
Start	15919	End	16792
GI	86873_1.R1084	Score	582
Exons	15919..16119, 16693..16792		
GI Descrip.	'5091624/gb AAD39612.1 AC007454_11 1.0e-23 (AC007454) Similar to gb_X92204 NAM gene product from Petunia hybrida. ESTs gb_H36656 and gb_AA651216 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2619	Strand	-
Start	13963	End	14300
Name	OJ990723_09.9A14.C9.o5.tm	Method	TBLASTX:Maize
Start	13	End	267
GI	none	Score	204
Exons	13..123, 14..151, 221..247, 226..267		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2619	Strand	-
Start	13963	End	14300
Name	OJ990723_09.9A14.C9.o4.ts	Method	TBLASTX:Soybean
Start	457	End	687
GI	none	Score	226
Exons	457..687, 458..682		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2619	Strand	-
Start	13963	End	14300
Name	OJ990723_09.9A14.C9.o4.tm	Method	TBLASTX:Maize
Start	485	End	2439
GI	none	Score	250
Exons	485..667, 493..666, 536..667, 1398..1529, 1400..1567, 1400..1588, 1419..1613, 2193..2246, 2228..2368, 2230..2364, 2359..2439, 2368..2439		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2619	Strand	-
Start	13963	End	14300
Name	OJ990723_09.9A14.C9.o5.ts	Method	TBLASTX:Soybean
Start	1398	End	2377
GI	none	Score	179
Exons	1398..1532, 1400..1588, 1543..1596, 2173..2370, 2228..2377, 2236..2376		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2619	Strand	-
Start	13963	End	14300
Name	OJ990723_09.9A14.C9.o2.tw	Method	TBLASTX:Wheat
Start	2237	End	2439
GI	none	Score	191
Exons	2237..2392, 2239..2439, 2242..2328, 2359..2427		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2619	Strand	-
Start	13963	End	14300

Name	OJ990723_09.9A14.C9.o1.ts	Method	TBLASTX:Soybean
Start	5918	End	8102
GI	none	Score	76
Exons	5918..5974, 6462..6512, 7234..7284, 7355..7468, 7360..7470, 7505..7981, 7544..8056, 7546..7986, 7701..8072, 7932..8102		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2619	Strand	-
Start	13963	End	14300
Name	OJ990723_09.9A14.C9.o1.tc	Method	TBLASTX:Cress
Start	5936	End	7789
GI	none	Score	70
Exons	5936..5974, 6462..6512, 6615..6659, 7234..7284, 7360..7470, 7361..7468, 7544..7789, 7546..7788		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2619	Strand	-
Start	13963	End	14300
Name	OJ990723_09.9A14.C9.o1.tm	Method	TBLASTX:Maize
Start	6402	End	8495
GI	none	Score	40
Exons	6402..6440, 6462..6512, 7231..7284, 7232..7348, 7235..7288, 7325..7468, 7361..7468, 7363..7470, 7505..7876, 7527..7652, 7539..7877, 7543..7875, 7543..7884, 7544..7885, 7713..7892, 7872..8150, 7876..8007, 7876..8313, 7877..8266, 8053..8316, 8262..8315, 8424..8495, 8425..8463		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2619	Strand	-
Start	13963	End	14300
Name	OJ990723_09.9A14.C9.o3.tc	Method	TBLASTX:Cress
Start	7889	End	8292
GI	none	Score	232
Exons	7889..8053, 7892..7981, 8068..8292, 8102..8266		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2619	Strand	-
Start	13963	End	14300
Name	OJ990723_09.9A14.C9.o3.ts	Method	TBLASTX:Soybean
Start	11273	End	13975
GI	none	Score	317
Exons	11273..11494, 11277..11531, 11284..11535, 11290..11538, 11296..11520, 11612..11701, 11618..11671, 11656..11694, 11987..12133, 12010..12210, 12011..12172, 12011..12217, 12567..12611, 12605..12631, 13274..13375, 13276..13395, 13704..13769, 13706..13771, 13874..13975, 13889..13975		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2619	Strand	-
Start	13963	End	14300
Name	OJ990723_09.9A14.C9.o3.tm	Method	TBLASTX:Maize
Start	11277	End	12629
GI	none	Score	273
Exons	11277..11528, 11288..11530, 11288..11530, 11289..11531, 11290..11541, 11290..11538, 11606..11716, 11609..11671, 11613..11717, 11614..11718, 12007..12210, 12010..12210, 12011..12157, 12011..12250, 12499..12612, 12504..12626,		

12509..12598, 12535..12600, 12596..12628, 12597..12629

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2619	Strand	-
Start	13963	End	14300
Name	OJ990723_09.9A14.C9.o4.tc	Method	TBLASTX:Cress
Start	11277	End	12157
GI	none	Score	295
Exons	11277..11519, 11278..11520, 11299..11520, 12011..12157		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2619	Strand	-
Start	13963	End	14300
Name	OJ990723_09.9A14.C9.o6.tm	Method	TBLASTX:Maize
Start	13239	End	13981
GI	none	Score	59
Exons	13239..13292, 13247..13375, 13249..13374, 13351..13377, 13660..13764, 13691..13768, 13701..13769, 13705..13770, 13706..13771, 13888..13980, 13889..13981, 13889..13978		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2619	Strand	-
Start	13963	End	14300
Name	OJ990723_09.9A14.C9.o5.gp	Method	AAT/GAP
Start	13963	End	14300
GI	51009_1.R1084	Score	649
Exons	13963..14300		
GI Descrip.	'5441872/dbj AP000366.1 AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2620	Strand	-
Start	15654	End	16134
Name	OJ990723_09.9A14.C9.o2.tm	Method	TBLASTX:Maize
Start	15654	End	16134
GI	none	Score	251
Exons	15654..15734, 15697..15891, 15700..15891, 15936..16109, 15957..16085, 15958..16134, 15967..16125		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2620	Strand	-
Start	15654	End	16134
Name	OJ990723_09.9A14.C9.o2.ts	Method	TBLASTX:Soybean
Start	15693	End	16109
GI	none	Score	211
Exons	15693..15731, 15697..15891, 15852..15890, 15933..16109, 15955..16104		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
Gene No.	2620	Strand	-
Start	15654	End	16134
Name	OJ990723_09.9A14.C9.o2.tc	Method	TBLASTX:Cress
Start	15697	End	16109
GI	none	Score	209
Exons	15697..15891, 15933..16109, 15955..16104		

Seq. No.	1291	Seq. ID	OJ990723_09.9A14.C9
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Gene No.	2620	Strand	
Start	15654	End	16134
Name	OJ990723_09.9A14.C9.o1.tw	Method	TBLASTX:Wheat
Start	15850	End	16110
GI	none	Score	51
Exons	15850..15891, 15933..16091, 15958..16110, 15967..16104		

Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2621	Strand	+
Start	420	End	2294
Name	OJ990723_09.9A14.C10.o1.gs	Method	GENSCAN
Start	420	End	1971
GI	none	Score	.83
Exons	420..1082, 1215..1323, 1482..1896, 1926..1971		

Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2621	Strand	+
Start	420	End	2294
Name	OJ990723_09.9A14.C10.o1.gp	Method	AAT/GAP
Start	680	End	1064
GI	7595_1.R1084	Score	730
Exons	680..1064		
GI Descrip.	'2062705/gb U90552 HSU90552 8.0e-09 Human butyrophilin (BTF5) mRNA, complete cds'		

Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2621	Strand	+
Start	420	End	2294
Name	OJ990723_09.9A14.C10.o2.gp	Method	AAT/GAP
Start	1473	End	2294
GI	none	Score	1520
Exons	1473..2294		

Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2622	Strand	+
Start	2402	End	2640
Name	OJ990723_09.9A14.C10.o3.gp	Method	AAT/GAP
Start	2402	End	2640
GI	4716538	Score	455
Exons	2402..2640		

Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2623	Strand	-
Start	2266	End	7158
Name	OJ990723_09.9A14.C10.o3.tm	Method	TBLASTX:Maize
Start	468	End	1911
GI	none	Score	54
Exons	468..536, 469..537, 473..535, 475..537, 554..577, 556..576, 571..741, 595..726, 597..749, 618..737, 733..870, 736..771, 811..966, 813..974, 834..974, 968..1030, 969..1034, 972..1031, 1064..1081, 1203..1253, 1203..1256, 1265..1345, 1266..1328, 1482..1628, 1484..1633, 1484..1627, 1486..1686, 1628..1693, 1696..1755, 1699..1755, 1700..1765, 1701..1778, 1769..1909, 1769..1906, 1771..1911		

Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2623	Strand	-

Start	2266	End	7158
Name	OJ990723_09.9A14.C10.o1.tw	Method	TBLASTX:Wheat
Start	469	End	6993
GI	none	Score	67
Exons	469..504, 6433..6570, 6433..6723, 6434..6559, 6443..6571, 6445..6570, 6494..6628, 6510..6929, 6511..6768, 6616..6768, 6616..6657, 6616..6756, 6824..6934, 6827..6931, 6827..6970, 6829..6933, 6832..6975, 6832..6963, 6853..6993, 6859..6993		

Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2623	Strand	-
Start	2266	End	7158
Name	OJ990723_09.9A14.C10.o2.gs	Method	GENSCAN
Start	2266	End	7158
GI	none	Score	.6
Exons	2266..2422, 2696..2839, 3024..3290, 3479..3677, 3728..3885, 4313..4500, 4580..4691, 5253..5420, 5909..7158		

Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2623	Strand	-
Start	2266	End	7158
Name	OJ990723_09.9A14.C10.o4.gp	Method	AAT/GAP
Start	2714	End	3119
GI	none	Score	711
Exons	2714..3119		

Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2623	Strand	-
Start	2266	End	7158
Name	OJ990723_09.9A14.C10.o2.tw	Method	TBLASTX:Wheat
Start	3000	End	3169
GI	none	Score	225
Exons	3000..3167, 3012..3167, 3023..3169		

Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2623	Strand	-
Start	2266	End	7158
Name	OJ990723_09.9A14.C10.o1.np	Method	AAT/NAP
Start	3020	End	7137
GI	6681327	Score	2573
Exons	3020..3290, 3479..3640, 3724..3885, 4313..4500, 4580..4691, 4846..5011, 5253..5420, 5909..7137		
GI Descrip.	(AC015985) putative phosphatidylinositol-4-phosphate 5-kinase [Arabidopsis thaliana]		

Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2623	Strand	-
Start	2266	End	7158
Name	OJ990723_09.9A14.C10.o1.tc	Method	TBLASTX:Cress
Start	3023	End	6993
GI	none	Score	140
Exons	3023..3220, 3033..3221, 3807..3893, 4312..4398, 4348..4497, 4580..4666, 4670..4693, 4840..5013, 4841..4960, 5241..5387, 5252..5386, 5899..5988, 6433..6723, 6433..6528, 6433..6567, 6437..6565, 6439..6567, 6460..6930, 6465..6644, 6509..6724, 6623..6757, 6623..6751, 6640..6747, 6658..6756, 6824..6931, 6829..6975, 6832..6993, 6832..6963, 6832..6969, 6833..6970,		

6854..6976, 6880..6975

Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2623	Strand	-
Start	2266	End	7158
Name	OJ990723_09.9A14.C10.o2.tm	Method	TBLASTX:Maize
Start	3023	End	3284
GI	none	Score	404
Exons	3023..3283, 3024..3284		

Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2623	Strand	-
Start	2266	End	7158
Name	OJ990723_09.9A14.C10.o3.ts	Method	TBLASTX:Soybean
Start	3035	End	5386
GI	none	Score	248
Exons	3035..3292, 3039..3293, 3060..3296, 3478..3549, 3479..3550, 4903..5010, 4903..5013, 4904..5014, 4904..5029, 4905..5033, 5252..5380, 5252..5386, 5253..5381		

Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2623	Strand	-
Start	2266	End	7158
Name	OJ990723_09.9A14.C10.o1.tm	Method	TBLASTX:Maize
Start	3477	End	4703
GI	none	Score	84
Exons	3477..3590, 3478..3603, 3480..3584, 3565..3693, 3582..3629, 3729..3893, 3730..3894, 4312..4503, 4313..4501, 4580..4666, 4581..4658, 4581..4670, 4582..4665, 4670..4699, 4671..4703		

Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2623	Strand	-
Start	2266	End	7158
Name	OJ990723_09.9A14.C10.o2.ts	Method	TBLASTX:Soybean
Start	3550	End	4902
GI	none	Score	97
Exons	3550..3633, 3765..3893, 3790..3894, 4312..4503, 4316..4501, 4324..4503, 4580..4666, 4581..4643, 4582..4659, 4671..4694, 4671..4697, 4840..4902		

Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2623	Strand	-
Start	2266	End	7158
Name	OJ990723_09.9A14.C10.o5.gp	Method	AAT/GAP
Start	3575	End	3841
GI	5003402	Score	311
Exons	3575..3643, 3728..3841		

Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2623	Strand	-
Start	2266	End	7158
Name	OJ990723_09.9A14.C10.o6.tm	Method	TBLASTX:Maize
Start	4838	End	5423
GI	none	Score	102
Exons	4838..4960, 4840..5013, 4887..5033, 5238..5423, 5252..5422		

Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
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Gene No.	2623	Strand	-
Start	2266	End	7158
Name	OJ990723_09.9A14.C10.o7.tm	Method	TBLASTX:Maize
Start	5947	End	6160
GI	none	Score	163
Exons	5947..6159, 5975..6160		
Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2623	Strand	-
Start	2266	End	7158
Name	OJ990723_09.9A14.C10.o1.ts	Method	TBLASTX:Soybean
Start	6001	End	6993
GI	none	Score	71
Exons	6001..6114, 6002..6136, 6098..6220, 6154..6237, 6341..6577, 6343..6576, 6433..6540, 6441..6608, 6494..6673, 6613..6723, 6640..6756, 6832..6951, 6853..6993		
Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2623	Strand	-
Start	2266	End	7158
Name	OJ990723_09.9A14.C10.o4.tm	Method	TBLASTX:Maize
Start	6163	End	6439
GI	none	Score	315
Exons	6163..6435, 6164..6439, 6321..6437		
Seq. No.	1292	Seq. ID	OJ990723_09.9A14.C10
Gene No.	2623	Strand	-
Start	2266	End	7158
Name	OJ990723_09.9A14.C10.o5.tm	Method	TBLASTX:Maize
Start	6439	End	6996
GI	none	Score	71
Exons	6439..6768, 6439..6744, 6440..6562, 6440..6559, 6613..6780, 6617..6760, 6620..6751, 6640..6744, 6824..6943, 6827..6994, 6829..6969, 6829..6882, 6830..6883, 6832..6996, 6832..6993, 6833..6931, 6838..6993, 6841..6963		
Seq. No.	1293	Seq. ID	OJ990723_09.9A14.C11
Gene No.	2624	Strand	-
Start	453	End	1328
Name	OJ990723_09.9A14.C11.o1.gs	Method	GENSCAN
Start	453	End	1328
GI	none	Score	.81
Exons	453..571, 1063..1096, 1323..1328		
Seq. No.	1294	Seq. ID	OJ990723_09.9A14.C12
Gene No.	2625	Strand	-
Start	2537	End	3244
Name	OJ990723_09.9A14.C12.o1.gs	Method	GENSCAN
Start	2537	End	3244
GI	none	Score	.61
Exons	2537..2644, 3107..3244		
Seq. No.	1295	Seq. ID	OJ990723_09.9A14.C13
Gene No.	2626	Strand	-
Start	241	End	2303
Name	OJ990723_09.9A14.C13.o1.tm	Method	TBLASTX:Maize
Start	226	End	2196

GI	none	Score	144
Exons	226..360, 236..361, 237..362, 437..511, 456..506, 460..519, 578..691, 595..696, 595..690, 951..1013, 951..1013, 1338..1487, 1355..1492, 2134..2196		

Seq. No.	1295	Seq. ID	OJ990723_09.9A14.C13
Gene No.	2626	Strand	-
Start	241	End	2303
Name	OJ990723_09.9A14.C13.ol.tc	Method	TBLASTX:Cress
Start	227	End	1486
GI	none	Score	123
Exons	227..358, 238..360, 460..522, 467..508, 595..690, 596..691, 598..696, 1355..1486, 1356..1484		

Seq. No.	1295	Seq. ID	OJ990723_09.9A14.C13
Gene No.	2626	Strand	-
Start	241	End	2303
Name	OJ990723_09.9A14.C13.ol.np	Method	AAT/NAP
Start	241	End	2303
GI	133028	Score	431
Exons	241..358, 461..508, 593..690, 960..1005, 1356..1483, 2151..2303		
GI Descrip.	50S RIBOSOMAL PROTEIN L9, CHLOROPLAST PRECURSOR (CL9) gi 71257 pir R5MUL9 ribosomal protein L9 precursor, chloroplast - Arabidopsis thaliana gi 16499 emb CAA77480 (Z11129) plastid ribosomal protein CL9 [Arabidopsis thaliana] gi 16501 emb CAA77594 (Z11509) Chloroplast ribosomal protein CL9 [Arabidopsis thaliana]		

Seq. No.	1295	Seq. ID	OJ990723_09.9A14.C13
Gene No.	2626	Strand	-
Start	241	End	2303
Name	OJ990723_09.9A14.C13.ol.gp	Method	AAT/GAP
Start	261	End	2293
GI	13884_1.R1084	Score	939
Exons	261..358, 461..508, 593..690, 960..1005, 1356..1483, 2151..2293		
GI Descrip.	'133028/sp P25864 RK9_ARATH 8.0e-52 50S RIBOSOMAL PROTEIN L9, CHLOROPLAST PRECURSOR (CL9) >gi_71257_pir_R5MUL9 ribosomal protein L9 precursor, chloroplast - Arabidopsis thaliana >gi_16499_emb_CAA77480_ (Z11129) plastid ribosomal protein CL9 [Arabidopsis thaliana] >gi_16501_emb_CAA77594_ (Z11509) Chloroplast ribosomal protein CL9 [Arabidopsis thaliana]'		

Seq. No.	1295	Seq. ID	OJ990723_09.9A14.C13
Gene No.	2626	Strand	-
Start	241	End	2303
Name	OJ990723_09.9A14.C13.ol.gs	Method	GENSCAN
Start	265	End	2273
GI	none	Score	.76
Exons	265..419, 621..690, 960..1005, 1356..1483, 1890..1946, 2151..2273		

Seq. No.	1296	Seq. ID	OJ990723_09.9A14.C14
Gene No.	2627	Strand	+
Start	132	End	585
Name	OJ990723_09.9A14.C14.ol.gs	Method	GENSCAN
Start	132	End	585
GI	none	Score	.62

Exons 132..403, 504..585

Seq. No.	1296	Seq. ID	OJ990723_09.9A14.C14
Gene No.	2628	Strand	+
Start	10246	End	13216
Name	OJ990723_09.9A14.C14.o1.np	Method	AAT/NAP
Start	10246	End	13216
GI	3386604	Score	139
Exons	10246..10529, 11623..11744, 11922..12051, 12977..13216		
GI Descrip.	(AC004665) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	1296	Seq. ID	OJ990723_09.9A14.C14
Gene No.	2628	Strand	+
Start	10246	End	13216
Name	OJ990723_09.9A14.C14.o3.gs	Method	GENSCAN
Start	11630	End	13090
GI	none	Score	.78
Exons	11630..11639, 11884..12043, 12963..13090		

Seq. No.	1296	Seq. ID	OJ990723_09.9A14.C14
Gene No.	2629	Strand	-
Start	684	End	1921
Name	OJ990723_09.9A14.C14.o1.gp	Method	AAT/GAP
Start	684	End	1921
GI	none	Score	950
Exons	684..1113, 1845..1921		

Seq. No.	1296	Seq. ID	OJ990723_09.9A14.C14
Gene No.	2630	Strand	-
Start	1844	End	10540
Name	OJ990723_09.9A14.C14.o1.tm	Method	TBLASTX:Maize
Start	881	End	4606
GI	none	Score	54
Exons	881..919, 885..920, 895..1038, 911..1036, 924..1043, 930..1055, 1047..1079, 1075..1098, 1842..2024, 1843..2040, 1844..2029, 2138..2206, 2139..2201, 2145..2222, 2279..2359, 2280..2486, 2280..2492, 2281..2493, 2281..2496, 2420..2497, 2492..2605, 2494..2607, 2548..2607, 2802..2912, 2813..2914, 2836..2913, 3344..3433, 3345..3434, 3346..3444, 3347..3445, 3507..3632, 3507..3635, 3520..3633, 3520..3645, 4092..4226, 4095..4220, 4096..4221, 4298..4438, 4299..4439, 4306..4440, 4309..4422, 4347..4439, 4562..4606, 4563..4604		

Seq. No.	1296	Seq. ID	OJ990723_09.9A14.C14
Gene No.	2630	Strand	-
Start	1844	End	10540
Name	OJ990723_09.9A14.C14.o2.gs	Method	GENSCAN
Start	1844	End	10540
GI	none	Score	.61
Exons	1844..2023, 2311..2604, 2828..2911, 4095..4221, 4304..4443, 5508..5641, 6334..6529, 6735..6979, 7069..7194, 7587..7660, 9427..9488, 9701..9980, 10266..10360, 10436..10540		

Seq. No.	1296	Seq. ID	OJ990723_09.9A14.C14
Gene No.	2630	Strand	-
Start	1844	End	10540
Name	OJ990723_09.9A14.C14.o1.ts	Method	TBLASTX:Soybean

Start	1868	End	5796
GI	none	Score	105
Exons	1868..1954, 2135..2206, 2813..2914, 3346..3444, 3499..3636, 3507..3635, 4092..4211, 4096..4212, 4309..4386, 4310..4441, 4312..4443, 4312..4443, 4321..4437, 4498..4539, 5713..5796		

Seq. No.	1296	Seq. ID	OJ990723_09.9A14.C14
Gene No.	2630	Strand	-
Start	1844	End	10540
Name	OJ990723_09.9A14.C14.o1.tw	Method	TBLASTX:Wheat
Start	3522	End	4440
GI	none	Score	78
Exons	3522..3635, 3540..3635, 4092..4214, 4096..4215, 4306..4437, 4321..4440, 4333..4437		

Seq. No.	1296	Seq. ID	OJ990723_09.9A14.C14
Gene No.	2630	Strand	-
Start	1844	End	10540
Name	OJ990723_09.9A14.C14.o1.tc	Method	TBLASTX:Cress
Start	3534	End	4443
GI	none	Score	85
Exons	3534..3635, 4092..4211, 4096..4212, 4312..4443, 4321..4437, 4321..4437		

Seq. No.	1297	Seq. ID	OJ990723_09.9A14.C15
Gene No.	2631	Strand	-
Start	1	End	157
Name	OJ990723_09.9A14.C15.o1.np	Method	AAT/NAP
Start	1	End	157
GI	2980788	Score	98
Exons	1..157		
GI Descrip.	(AL022197) putative protein [Arabidopsis thaliana]		

Seq. No.	1298	Seq. ID	OJ990723_09.9A14.C16
Gene No.	2632	Strand	+
Start	1	End	526
Name	OJ990723_09.9A14.C16.o1.np	Method	AAT/NAP
Start	1	End	526
GI	3386604	Score	266
Exons	1..526		
GI Descrip.	(AC004665) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	1298	Seq. ID	OJ990723_09.9A14.C16
Gene No.	2632	Strand	+
Start	1	End	526
Name	OJ990723_09.9A14.C16.o1.gs	Method	GENSCAN
Start	12	End	352
GI	none	Score	.47
Exons	12..80, 86..352		

Seq. No.	1298	Seq. ID	OJ990723_09.9A14.C16
Gene No.	2632	Strand	+
Start	1	End	526
Name	OJ990723_09.9A14.C16.o1.tm	Method	TBLASTX:Maize
Start	83	End	337
GI	none	Score	203
Exons	83..250, 83..250, 260..280, 261..281, 289..336, 290..337		

Seq. No.	1298	Seq. ID	OJ990723_09.9A14.C16
Gene No.	2632	Strand	+
Start	1	End	526
Name	OJ990723_09.9A14.C16.o1.ts	Method	TBLASTX:Soybean
Start	116	End	367
GI	none	Score	142
Exons	116..253, 130..237, 263..367, 274..363		

Seq. No.	1298	Seq. ID	OJ990723_09.9A14.C16
Gene No.	2632	Strand	+
Start	1	End	526
Name	OJ990723_09.9A14.C16.o1.tc	Method	TBLASTX:Cress
Start	133	End	388
GI	none	Score	107
Exons	133..237, 134..250, 155..274, 254..388, 260..364		

Seq. No.	1298	Seq. ID	OJ990723_09.9A14.C16
Gene No.	2632	Strand	+
Start	1	End	526
Name	OJ990723_09.9A14.C16.o1.tw	Method	TBLASTX:Wheat
Start	157	End	397
GI	none	Score	98
Exons	157..237, 158..274, 251..397		

Seq. No.	1299	Seq. ID	OJ990723_09.9A14.C17
Gene No.	2633	Strand	+
Start	34	End	597
Name	OJ990723_09.9A14.C17.o1.gs	Method	GENSCAN
Start	34	End	597
GI	none	Score	.92
Exons	34..41, 238..265, 457..597		

Seq. No.	1300	Seq. ID	OJ990713_03.9A01.C1
Gene No.	2634	Strand	-
Start	1	End	535
Name	OJ990713_03.9A01.C1.o1.np	Method	AAT/NAP
Start	1	End	535
GI	3445397	Score	378
Exons	1..535		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	1301	Seq. ID	OJ990713_03.9A01.C2
Gene No.	2635	Strand	-
Start	352	End	4902
Name	OJ990713_03.9A01.C2.o7.tm	Method	TBLASTX:Maize
Start	345	End	591
GI	none	Score	206
Exons	345..380, 379..591		

Seq. No.	1301	Seq. ID	OJ990713_03.9A01.C2
Gene No.	2635	Strand	-
Start	352	End	4902
Name	OJ990713_03.9A01.C2.o1.gs	Method	GENSCAN
Start	352	End	4902
GI	none	Score	.97
Exons	352..4902		

Seq. No.	1301	Seq. ID	OJ990713_03.9A01.C2
Gene No.	2635	Strand	-
Start	352	End	4902
Name	OJ990713_03.9A01.C2.o1.np	Method	AAT/NAP
Start	355	End	4902
GI	4680179	Score	6779
Exons	355..4902		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1301	Seq. ID	OJ990713_03.9A01.C2
Gene No.	2635	Strand	-
Start	352	End	4902
Name	OJ990713_03.9A01.C2.o6.tw	Method	TBLASTX:Wheat
Start	400	End	733
GI	none	Score	104
Exons	400..732, 401..733		

Seq. No.	1301	Seq. ID	OJ990713_03.9A01.C2
Gene No.	2635	Strand	-
Start	352	End	4902
Name	OJ990713_03.9A01.C2.o1.tm	Method	TBLASTX:Maize
Start	592	End	1179
GI	none	Score	159
Exons	592..1020, 593..853, 923..1015, 1018..1179, 1025..1171, 1027..1173		

Seq. No.	1301	Seq. ID	OJ990713_03.9A01.C2
Gene No.	2635	Strand	-
Start	352	End	4902
Name	OJ990713_03.9A01.C2.o1.tw	Method	TBLASTX:Wheat
Start	733	End	1359
GI	none	Score	384
Exons	733..1359, 734..1357		

Seq. No.	1301	Seq. ID	OJ990713_03.9A01.C2
Gene No.	2635	Strand	-
Start	352	End	4902
Name	OJ990713_03.9A01.C2.o3.tm	Method	TBLASTX:Maize
Start	1228	End	1519
GI	none	Score	229
Exons	1228..1518, 1232..1519		

Seq. No.	1301	Seq. ID	OJ990713_03.9A01.C2
Gene No.	2635	Strand	-
Start	352	End	4902
Name	OJ990713_03.9A01.C2.o2.ts	Method	TBLASTX:Soybean
Start	1318	End	1578
GI	none	Score	157
Exons	1318..1578, 1319..1573		

Seq. No.	1301	Seq. ID	OJ990713_03.9A01.C2
Gene No.	2635	Strand	-
Start	352	End	4902
Name	OJ990713_03.9A01.C2.o1.tc	Method	TBLASTX:Cress
Start	1342	End	1659
GI	none	Score	87

Exons 1342..1485, 1343..1483, 1486..1659

Seq. No.	1301	Seq. ID	OJ990713_03.9A01.C2
Gene No.	2635	Strand	-
Start	352	End	4902
Name	OJ990713_03.9A01.C2.o3.tw	Method	TBLASTX:Wheat
Start	1366	End	1845
GI	none	Score	248
Exons	1366..1845, 1367..1621, 1399..1812		

Seq. No.	1301	Seq. ID	OJ990713_03.9A01.C2
Gene No.	2635	Strand	-
Start	352	End	4902
Name	OJ990713_03.9A01.C2.o2.tw	Method	TBLASTX:Wheat
Start	1849	End	2358
GI	none	Score	364
Exons	1849..2358, 1940..2350		

Seq. No.	1301	Seq. ID	OJ990713_03.9A01.C2
Gene No.	2635	Strand	-
Start	352	End	4902
Name	OJ990713_03.9A01.C2.o2.tm	Method	TBLASTX:Maize
Start	1926	End	2286
GI	none	Score	64
Exons	1926..2078, 1928..2125, 1933..2286, 1940..2284		

Seq. No.	1301	Seq. ID	OJ990713_03.9A01.C2
Gene No.	2635	Strand	-
Start	352	End	4902
Name	OJ990713_03.9A01.C2.o3.ts	Method	TBLASTX:Soybean
Start	2107	End	2352
GI	none	Score	209
Exons	2107..2352		

Seq. No.	1301	Seq. ID	OJ990713_03.9A01.C2
Gene No.	2635	Strand	-
Start	352	End	4902
Name	OJ990713_03.9A01.C2.o5.tm	Method	TBLASTX:Maize
Start	2287	End	2640
GI	none	Score	125
Exons	2287..2640, 2294..2572		

Seq. No.	1301	Seq. ID	OJ990713_03.9A01.C2
Gene No.	2635	Strand	-
Start	352	End	4902
Name	OJ990713_03.9A01.C2.o5.tw	Method	TBLASTX:Wheat
Start	2359	End	2661
GI	none	Score	257
Exons	2359..2661, 2360..2641, 2368..2658		

Seq. No.	1301	Seq. ID	OJ990713_03.9A01.C2
Gene No.	2635	Strand	-
Start	352	End	4902
Name	OJ990713_03.9A01.C2.o1.ts	Method	TBLASTX:Soybean
Start	2374	End	2769
GI	none	Score	164
Exons	2374..2733, 2375..2638, 2404..2721, 2700..2726, 2737..2769,		

2741..2767

Seq. No. 1301
Gene No. 2635
Start 352
Name OJ990713_03.9A01.C2.o4.tm
Start 2656
GI none
Exons 2656..3123, 2753..3052

Seq. ID OJ990713_03.9A01.C2
Strand -
End 4902
Method TBLASTX:Maize
End 3123
Score 104

Seq. No. 1301
Gene No. 2635
Start 352
Name OJ990713_03.9A01.C2.o4.tw
Start 2710
GI none
Exons 2710..3192, 2753..3088

Seq. ID OJ990713_03.9A01.C2
Strand -
End 4902
Method TBLASTX:Wheat
End 3192
Score 270

Seq. No. 1301
Gene No. 2635
Start 352
Name OJ990713_03.9A01.C2.o4.ts
Start 2842
GI none
Exons 2842..3156

Seq. ID OJ990713_03.9A01.C2
Strand -
End 4902
Method TBLASTX:Soybean
End 3156
Score 183

Seq. No. 1301
Gene No. 2635
Start 352
Name OJ990713_03.9A01.C2.o8.tw
Start 3367
GI none
Exons 3367..3540, 3398..3466, 3448..3507, 3544..3768, 3602..3754

Seq. ID OJ990713_03.9A01.C2
Strand -
End 4902
Method TBLASTX:Wheat
End 3768
Score 54

Seq. No. 1301
Gene No. 2635
Start 352
Name OJ990713_03.9A01.C2.o8.tm
Start 3454
GI none
Exons 3454..3729, 3629..3730

Seq. ID OJ990713_03.9A01.C2
Strand -
End 4902
Method TBLASTX:Maize
End 3730
Score 78

Seq. No. 1301
Gene No. 2635
Start 352
Name OJ990713_03.9A01.C2.o6.tm
Start 4096
GI none
Exons 4096..4428, 4241..4405

Seq. ID OJ990713_03.9A01.C2
Strand -
End 4902
Method TBLASTX:Maize
End 4428
Score 109

Seq. No. 1301
Gene No. 2635
Start 352
Name OJ990713_03.9A01.C2.o7.tw
Start 4309
GI none
Exons 4309..4689, 4310..4669

Seq. ID OJ990713_03.9A01.C2
Strand -
End 4902
Method TBLASTX:Wheat
End 4689
Score 141

Seq. No. 1302
 Gene No. 2636
 Start 12982
 Name OJ990713_03.9A01.C4.o4.gs
 Start 12982
 GI none
 Exons 12982..13123, 13343..13557

Seq. ID OJ990713_03.9A01.C4
 Strand +
 End 13557
 Method GENSCAN
 End 13557
 Score .86

Seq. No. 1302
 Gene No. 2637
 Start 15584
 Name OJ990713_03.9A01.C4.o1.gp
 Start 15584
 GI 2275885
 Exons 15584..16104

Seq. ID OJ990713_03.9A01.C4
 Strand +
 End 16104
 Method AAT/GAP
 End 16104
 Score 883

Seq. No. 1302
 Gene No. 2638
 Start 20300
 Name OJ990713_03.9A01.C4.o7.gs
 Start 20300
 GI none
 Exons 20300..20529, 20835..20880, 20980..21117, 21593..21716, 22449..22720

Seq. ID OJ990713_03.9A01.C4
 Strand +
 End 22720
 Method GENSCAN
 End 22720
 Score .48

Seq. No. 1302
 Gene No. 2639
 Start 3003
 Name OJ990713_03.9A01.C4.o1.np
 Start 2489
 GI 3445397
 Exons 2489..2599, 3020..5402
 GI Descrip. (AJ010166) S-domain receptor-like protein kinase [Zea mays]

Seq. ID OJ990713_03.9A01.C4
 Strand -
 End 5411
 Method AAT/NAP
 End 5402
 Score 1981

Seq. No. 1302
 Gene No. 2639
 Start 3003
 Name OJ990713_03.9A01.C4.o1.gs
 Start 3003
 GI none
 Exons 3003..5411

Seq. ID OJ990713_03.9A01.C4
 Strand -
 End 5411
 Method GENSCAN
 End 5411
 Score .47

Seq. No. 1302
 Gene No. 2640
 Start 6141
 Name OJ990713_03.9A01.C4.o2.gs
 Start 6141
 GI none
 Exons 6141..6284, 6863..6962, 8120..8631

Seq. ID OJ990713_03.9A01.C4
 Strand -
 End 8631
 Method GENSCAN
 End 8631
 Score .87

Seq. No. 1302
 Gene No. 2641
 Start 10313
 Name OJ990713_03.9A01.C4.o3.gs
 Start 10313
 GI none

Seq. ID OJ990713_03.9A01.C4
 Strand -
 End 12730
 Method GENSCAN
 End 12730
 Score 1

Exons 10313..12730

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2642	Strand	-
Start	14801	End	16500
Name	OJ990713_03.9A01.C4.o5.gs	Method	GENSCAN
Start	14801	End	16500
GI	none	Score	.51
Exons	14801..14921, 15349..15621, 16433..16500		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2643	Strand	-
Start	17646	End	21286
Name	OJ990713_03.9A01.C4.o2.np	Method	AAT/NAP
Start	17646	End	21286
GI	3445397	Score	1478
Exons	17646..17765, 17907..19786, 21237..21286		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2643	Strand	-
Start	17646	End	21286
Name	OJ990713_03.9A01.C4.o6.gs	Method	GENSCAN
Start	17899	End	19596
GI	none	Score	.52
Exons	17899..19596		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o9.tm	Method	TBLASTX:Maize
Start	255	End	549
GI	none	Score	86
Exons	255..545, 274..414, 348..503, 442..549		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o9.tw	Method	TBLASTX:Wheat
Start	625	End	992
GI	none	Score	158
Exons	625..882, 626..886, 627..992, 831..992		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o5.tm	Method	TBLASTX:Maize
Start	720	End	1191
GI	none	Score	69
Exons	720..812, 819..1190, 829..981, 1042..1191		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o12.tw	Method	TBLASTX:Wheat
Start	1089	End	1654
GI	none	Score	66

Exons 1089..1187, 1280..1654, 1347..1445

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o4.ts	Method	TBLASTX:Soybean
Start	1277	End	1804
GI	none	Score	188
Exons	1277..1462, 1451..1804		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o4.tm	Method	TBLASTX:Maize
Start	1409	End	2370
GI	none	Score	67
Exons	1409..2035, 1749..1886, 1953..2015, 1993..2370, 2090..2347, 2215..2355		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o14.tw	Method	TBLASTX:Wheat
Start	1661	End	2033
GI	none	Score	52
Exons	1661..1741, 1722..1886, 1733..1885, 1890..2033, 1895..2032		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o10.tw	Method	TBLASTX:Wheat
Start	2041	End	2316
GI	none	Score	65
Exons	2041..2316, 2085..2270, 2102..2296		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o2.tm	Method	TBLASTX:Maize
Start	3030	End	18517
GI	none	Score	178
Exons	3030..3311, 3052..3300, 3303..3632, 3307..3633, 10370..10594, 10410..10592, 10631..10957, 10635..10961, 17926..18150, 17966..18148, 18190..18513, 18190..18513, 18191..18517		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o1.tc	Method	TBLASTX:Cress
Start	3033	End	19737
GI	none	Score	245
Exons	3033..3266, 3270..3836, 3271..3678, 3615..3827, 3712..3837, 3813..3932, 3814..3909, 4224..4367, 4392..4607, 4680..4778, 4923..4967, 5094..5243, 10361..10597, 10382..10474, 10410..10598, 10605..11153, 10634..11155, 10976..11155, 11147..11272, 11148..11234, 11546..11683, 11714..11905, 12002..12109, 12036..12101, 12192..12278, 12227..12277,		

12407..12538, 16271..16387, 17923..18153, 17938..18030,
18161..18709, 18190..18711, 18731..18820, 19102..19224,
19270..19461, 19564..19671, 19693..19737

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	3078	End	18772
GI	none	Score	82
Exons	3078..3251, 3309..3806, 3391..3603, 3715..3807, 3810..3884, 3811..3882, 10637..11134, 10644..10958, 11001..11168, 11169..11207, 18193..18690, 18275..18514, 18557..18691, 18692..18772		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o8.tw	Method	TBLASTX:Wheat
Start	3363	End	18661
GI	none	Score	90
Exons	3363..3425, 3426..3635, 3460..3603, 3645..3776, 10691..10753, 10692..10748, 10754..10960, 10791..10973, 10950..11105, 10952..11104, 18247..18309, 18310..18516, 18347..18529, 18506..18661, 18508..18660		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o7.tm	Method	TBLASTX:Maize
Start	3645	End	18828
GI	none	Score	181
Exons	3645..3827, 3646..3825, 3819..3944, 3820..3945, 10963..11124, 10964..11206, 10974..11207, 11147..11272, 11148..11270, 18519..18680, 18520..18762, 18530..18763, 18704..18826, 18712..18828		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o11.tm	Method	TBLASTX:Maize
Start	4146	End	19455
GI	none	Score	84
Exons	4146..4208, 4218..4343, 4359..4469, 4461..4577, 11540..11587, 11684..11791, 11783..11899, 19096..19143, 19228..19347, 19339..19455		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o5.tw	Method	TBLASTX:Wheat
Start	4180	End	19459
GI	none	Score	232
Exons	4180..4569, 4182..4568, 11504..11890, 11504..11890, 19060..19446, 19061..19459, 19262..19447		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
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Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o5.ts	Method	TBLASTX:Soybean
Start	4302	End	19587
GI	none	Score	122
Exons	4302..4604, 4309..4545, 4575..4706, 11630..11890, 11631..11867, 11897..12019, 11897..12019, 19186..19446, 19187..19423, 19450..19587		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o7.ts	Method	TBLASTX:Soybean
Start	4833	End	16272
GI	none	Score	94
Exons	4833..5045, 5058..5138, 5141..5209, 5148..5267, 5208..5297, 12146..12277, 12168..12281, 12446..12580, 15993..16112, 15995..16111, 16004..16120, 16243..16272		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o12.tm	Method	TBLASTX:Maize
Start	23115	End	23362
GI	none	Score	41
Exons	23115..23147, 23115..23147, 23149..23361, 23240..23362		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o8.gs	Method	GENSCAN
Start	23122	End	28768
GI	none	Score	.58
Exons	23122..23912, 24033..25059, 25139..27694, 28708..28768		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o3.np	Method	AAT/NAP
Start	23125	End	27697
GI	4680179	Score	6553
Exons	23125..27697		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o6.tw	Method	TBLASTX:Wheat
Start	23170	End	23503
GI	none	Score	113
Exons	23170..23502, 23234..23503		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	23362	End	23949

GI	none	Score	220
Exons	23362..23790, 23363..23788, 23788..23949, 23795..23941		
Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o1.tw	Method	TBLASTX:Wheat
Start	23503	End	24129
GI	none	Score	370
Exons	23503..24129, 23504..24073		
Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o8.tm	Method	TBLASTX:Maize
Start	23998	End	24289
GI	none	Score	238
Exons	23998..24288, 24002..24289		
Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o3.ts	Method	TBLASTX:Soybean
Start	24088	End	24348
GI	none	Score	155
Exons	24088..24348, 24089..24343		
Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o2.tc	Method	TBLASTX:Cress
Start	24112	End	24438
GI	none	Score	87
Exons	24112..24255, 24113..24253, 24256..24438		
Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o3.tw	Method	TBLASTX:Wheat
Start	24136	End	24615
GI	none	Score	296
Exons	24136..24615, 24137..24520, 24142..24597		
Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o2.tw	Method	TBLASTX:Wheat
Start	24619	End	25128
GI	none	Score	297
Exons	24619..25128, 24710..25096		
Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o3.tm	Method	TBLASTX:Maize
Start	24703	End	25056
GI	none	Score	169

Exons 24703..25056, 24718..25014, 24788..25054

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o6.ts	Method	TBLASTX:Soybean
Start	24877	End	25119
GI	none	Score	197
Exons	24877..25119		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o10.tm	Method	TBLASTX:Maize
Start	25057	End	25408
GI	none	Score	112
Exons	25057..25146, 25163..25408, 25170..25397		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o7.tw	Method	TBLASTX:Wheat
Start	25130	End	25429
GI	none	Score	36
Exons	25130..25168, 25163..25429, 25167..25244, 25172..25429		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o2.ts	Method	TBLASTX:Soybean
Start	25163	End	25537
GI	none	Score	111
Exons	25163..25501, 25167..25406, 25360..25494, 25424..25498, 25505..25537, 25505..25537		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o6.tm	Method	TBLASTX:Maize
Start	25424	End	25895
GI	none	Score	97
Exons	25424..25891, 25457..25804, 25650..25895		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o4.tw	Method	TBLASTX:Wheat
Start	25478	End	25964
GI	none	Score	307
Exons	25478..25960, 25521..25964		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o8.ts	Method	TBLASTX:Soybean
Start	25607	End	25891
GI	none	Score	70

Exons 25607..25891, 25608..25808

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o13.tw	Method	TBLASTX:Wheat
Start	26135	End	26489
GI	none	Score	78
Exons	26135..26488, 26174..26305, 26394..26489		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o13.tm	Method	TBLASTX:Maize
Start	26222	End	26497
GI	none	Score	202
Exons	26222..26497		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o14.tm	Method	TBLASTX:Maize
Start	26888	End	27184
GI	none	Score	107
Exons	26888..27184, 26997..27167		

Seq. No.	1302	Seq. ID	OJ990713_03.9A01.C4
Gene No.	2644	Strand	-
Start	23122	End	28768
Name	OJ990713_03.9A01.C4.o11.tw	Method	TBLASTX:Wheat
Start	27065	End	27428
GI	none	Score	83
Exons	27065..27424, 27066..27299, 27324..27428		

Seq. No.	1303	Seq. ID	OJ990713_03.9A01.C5
Gene No.	2645	Strand	+
Start	1	End	730
Name	OJ990713_03.9A01.C5.o1.np	Method	AAT/NAP
Start	1	End	730
GI	5295955	Score	230
Exons	1..53, 324..347, 482..730		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	1303	Seq. ID	OJ990713_03.9A01.C5
Gene No.	2646	Strand	-
Start	1005	End	1114
Name	OJ990713_03.9A01.C5.o2.np	Method	AAT/NAP
Start	1005	End	1114
GI	4680179	Score	165
Exons	1005..1114		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2647	Strand	+
Start	805	End	2353
Name	OJ990713_03.9A01.C6.o1.gs	Method	GENSCAN

Start 805
 GI none
 Exons 805..1306, 2256..2353

End 2353
 Score .61

Seq. No. 1304
 Gene No. 2648
 Start 6643
 Name OJ990713_03.9A01.C6.o1.gp
 Start 6643
 GI uC-osflcyp024b07b1
 Exons 6643..6863, 7062..7179
 GI Descrip. '4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'

Seq. ID OJ990713_03.9A01.C6
 Strand +
 End 7377
 Method AAT/GAP
 End 7179
 Score 518

Seq. No. 1304
 Gene No. 2648
 Start 6643
 Name OJ990713_03.9A01.C6.o2.gp
 Start 6741
 GI uC-osflcyp024b07b1
 Exons 6741..6863, 7062..7168, 7259..7377
 GI Descrip. '4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'

Seq. ID OJ990713_03.9A01.C6
 Strand +
 End 7377
 Method AAT/GAP
 End 7377
 Score 575

Seq. No. 1304
 Gene No. 2649
 Start 7963
 Name OJ990713_03.9A01.C6.o3.gp
 Start 7963
 GI uC-osflcyp017c11b1
 Exons 7963..8374
 GI Descrip. '3445397/emb|CAA09029.1| 3.0e-55 (AJ010166) S-domain receptor-like protein kinase [Zea mays]'

Seq. ID OJ990713_03.9A01.C6
 Strand +
 End 8374
 Method AAT/GAP
 End 8374
 Score 812

Seq. No. 1304
 Gene No. 2650
 Start 9941
 Name OJ990713_03.9A01.C6.o4.gp
 Start 9941
 GI 5455363
 Exons 9941..9965, 10461..10527
 GI Descrip. 3176667 1.0e-17 (AC004393) Similar to hypothetical 41.9KD protein gb_1001369 from sequence of Synechocystis sp. gb_D64006. [Arabidopsis thaliana]

Seq. ID OJ990713_03.9A01.C6
 Strand +
 End 10527
 Method AAT/GAP
 End 10527
 Score 87

Seq. No. 1304
 Gene No. 2651
 Start 34727
 Name OJ990713_03.9A01.C6.o9.gs
 Start 34727
 GI none
 Exons 34727..35046, 35131..35203, 37004..37051

Seq. ID OJ990713_03.9A01.C6
 Strand +
 End 37051
 Method GENSCAN
 End 37051
 Score .75

Seq. No. 1304
 Gene No. 2652
 Start 42741
 Name OJ990713_03.9A01.C6.o12.gs

Seq. ID OJ990713_03.9A01.C6
 Strand +
 End 45019
 Method GENSCAN

Start	42741	End	45019
GI	none	Score	.63
Exons	42741..42774, 42910..43046, 43317..43571, 43585..43630, 44318..44367, 44522..45019		

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2653	Strand	+
Start	53847	End	54123
Name	OJ990713_03.9A01.C6.o15.gs	Method	GENSCAN
Start	53847	End	54123
GI	none	Score	.98
Exons	53847..53907, 53966..54123		

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2654	Strand	-
Start	832	End	3536
Name	OJ990713_03.9A01.C6.o1.np	Method	AAT/NAP
Start	832	End	3536
GI	119714	Score	118
Exons	832..1560, 3491..3536		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi 82169 pir S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi 19867 emb CAA32090 (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2655	Strand	-
Start	6136	End	10018
Name	OJ990713_03.9A01.C6.o3.gs	Method	GENSCAN
Start	6136	End	10003
GI	none	Score	.66
Exons	6136..6525, 7041..7083, 7611..10003		

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2655	Strand	-
Start	6136	End	10018
Name	OJ990713_03.9A01.C6.o2.np	Method	AAT/NAP
Start	7533	End	10018
GI	5734728	Score	880
Exons	7533..10018		
GI Descrip.	(AC007259) Very similar to receptor-like protein kinases [Arabidopsis thaliana]		

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2656	Strand	-
Start	18451	End	20877
Name	OJ990713_03.9A01.C6.o6.gs	Method	GENSCAN
Start	18451	End	20877
GI	none	Score	.96
Exons	18451..20877		

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2657	Strand	-
Start	28670	End	31120
Name	OJ990713_03.9A01.C6.o8.gs	Method	GENSCAN
Start	28670	End	31120
GI	none	Score	.97

Exons 28670..31120

Seq. No. 1304 Seq. ID OJ990713_03.9A01.C6
Gene No. 2658 Strand -
Start 39323 End 49499
Name OJ990713_03.9A01.C6.o3.np Method AAT/NAP
Start 39323 End 49499
GI 3445397 Score 1870
Exons 39323..39447, 39711..41373, 48816..49499
GI Descrip. (AJ010166) S-domain receptor-like protein kinase [Zea mays]

Seq. No. 1304 Seq. ID OJ990713_03.9A01.C6
Gene No. 2658 Strand -
Start 39323 End 49499
Name OJ990713_03.9A01.C6.o11.gs Method GENSCAN
Start 39682 End 42252
GI none Score .87
Exons 39682..42027, 42205..42252

Seq. No. 1304 Seq. ID OJ990713_03.9A01.C6
Gene No. 2659 Strand -
Start 51459 End 51932
Name OJ990713_03.9A01.C6.o14.gs Method GENSCAN
Start 51459 End 51869
GI none Score .71
Exons 51459..51869

Seq. No. 1304 Seq. ID OJ990713_03.9A01.C6
Gene No. 2659 Strand -
Start 51459 End 51932
Name OJ990713_03.9A01.C6.o4.np Method AAT/NAP
Start 51462 End 51869
GI 122085 Score 673
Exons 51462..51869
GI Descrip. HISTONE H3 gi|81641|pir||S06250 histone H3 - Arabidopsis
thaliana gi|82482|pir||S04099 histone H3 (variant H3R-21) - rice
gi|1362194|pir||S57626 histone H3 - maize gi|20251|emb|CAA31969|
(X13678) histone H3 (AA 1-136) [Oryza sativa]
gi|20253|emb|CAA31970| (X13680) histone H3 (AA 1-136) [Oryza
sativa] gi|168493 (M36658) histone H3 (H3C3) [Zea mays]
gi|168495 (M13378) h

Seq. No. 1304 Seq. ID OJ990713_03.9A01.C6
Gene No. 2659 Strand -
Start 51459 End 51932
Name OJ990713_03.9A01.C6.o5.gp Method AAT/GAP
Start 51595 End 51932
GI 287222 Score 629
Exons 51595..51932
GI Descrip. 122070/sp|P08860|H32_ORYSA 3.0e-40 HISTONE H3
>gi_82483_pir_A25564 histone H3 - rice >gi_169793 (M15664)
histone 3 [Oryza sativa] >gi_940018 (U25664) histone H3 [Oryza
sativa]

Seq. No. 1304 Seq. ID OJ990713_03.9A01.C6
Gene No. 2660 Strand -
Start 55218 End 61208

Name	OJ990713_03.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	7628	End	47732
GI	none	Score	152
Exons	7628..8224, 7629..8000, 7852..8226, 8043..8228, 12486..12794, 12487..12753, 12750..13082, 12753..13052, 12763..13077, 18496..18804, 18518..18763, 18760..19092, 18773..19090, 28718..29044, 28818..28970, 29000..29332, 29013..29309, 39709..39942, 39710..39943, 39986..40309, 40000..40320, 47121..47381, 47170..47358, 47391..47732, 47394..47636, 47404..47715		

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2660	Strand	-
Start	55218	End	61208
Name	OJ990713_03.9A01.C6.o1.tc	Method	TBLASTX:Cress
Start	7631	End	49383
GI	none	Score	111
Exons	7631..7891, 7901..8443, 8043..8198, 8268..8432, 8426..8527, 8445..8504, 8816..8875, 8987..9124, 9128..9223, 9272..9364, 9416..9475, 9518..9562, 9689..9838, 12474..12722, 12727..13059, 12762..13082, 13080..13286, 13119..13286, 13126..13287, 13303..13386, 13680..13802, 13848..14099, 14136..14255, 14271..14330, 14379..14417, 14544..14687, 18479..18715, 18484..18732, 18523..18729, 18772..19104, 18773..19069, 19111..19299, 19129..19296, 19136..19300, 19313..19372, 19693..19746, 19861..20115, 20149..20244, 20395..20436, 20557..20700, 28724..28972, 28821..28970, 28976..29332, 28977..29309, 29339..29497, 29379..29498, 29939..30082, 30107..30367, 30395..30508, 30530..30589, 30638..30679, 30803..30946, 39703..39942, 39704..39943, 39950..40516, 40000..40515, 40510..40674, 40529..40588, 41047..41286, 41054..41287, 41372..41428, 41374..41442, 41534..41620, 41767..41919, 47118..47351, 47394..47714, 47395..47691, 47727..47939, 47751..47918, 47752..47940, 47922..48023, 47926..48024, 48321..48446, 48474..48686, 48810..48899, 49005..49058, 49161..49319, 49171..49314, 49336..49383		

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2660	Strand	-
Start	55218	End	61208
Name	OJ990713_03.9A01.C6.o4.ts	Method	TBLASTX:Soybean
Start	7646	End	47585
GI	none	Score	67
Exons	7646..7789, 7650..7826, 7881..8003, 7901..8035, 12468..12644, 12760..12903, 12762..12896, 12879..12944, 18514..18657, 18518..18691, 18761..18913, 18772..18906, 18922..18960, 28754..28897, 29010..29153, 29012..29146, 29162..29203, 39722..39871, 39727..39870, 39983..40111, 40000..40113, 47136..47279, 47392..47535, 47394..47528, 47544..47585		

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2660	Strand	-
Start	55218	End	61208
Name	OJ990713_03.9A01.C6.o3.tw	Method	TBLASTX:Wheat
Start	7958	End	47868
GI	none	Score	37
Exons	7958..8020, 7959..7997, 8045..8224, 8055..8198, 8057..8221,		

8219..8371, 12819..12878, 12882..13082, 12916..13077,
 13098..13229, 18829..18891, 18916..19092, 19054..19239,
 29069..29131, 29132..29332, 29166..29345, 29294..29479,
 40042..40104, 40043..40099, 40105..40308, 40139..40282,
 40303..40455, 40343..40456, 47451..47510, 47514..47867,
 47548..47868

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2660	Strand	-
Start	55218	End	61208
Name	OJ990713_03.9A01.C6.o2.ts	Method	TBLASTX:Soybean
Start	8090	End	48032
GI	none	Score	113
Exons	8090..8242, 8097..8228, 8111..8236, 8225..8536, 8232..8534, 12951..13094, 12961..13077, 13083..13394, 13114..13377, 13191..13385, 18961..19104, 18966..19076, 18968..19087, 19105..19185, 19108..19404, 19121..19402, 29208..29327, 29210..29344, 29333..29506, 29361..29498, 29498..29644, 29508..29651, 29520..29645, 40174..40326, 40175..40318, 40324..40620, 40337..40618, 40623..40691, 47590..48030, 47592..48032		

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2660	Strand	-
Start	55218	End	61208
Name	OJ990713_03.9A01.C6.o3.tm	Method	TBLASTX:Maize
Start	8234	End	48036
GI	none	Score	253
Exons	8234..8431, 8241..8429, 8414..8539, 8415..8531, 13089..13286, 13099..13287, 13099..13287, 13273..13398, 13288..13341, 13292..13378, 13341..13397, 19102..19305, 19109..19297, 19282..19407, 19283..19408, 29339..29500, 29349..29501, 29356..29505, 29498..29539, 29507..29548, 29532..29657, 29600..29656, 40322..40504, 40323..40493, 40324..40506, 40324..40521, 40328..40513, 40498..40626, 40499..40624, 47733..47924, 47733..47927, 47737..47925, 47910..48035, 47911..48036		

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2660	Strand	-
Start	55218	End	61208
Name	OJ990713_03.9A01.C6.o6.tm	Method	TBLASTX:Maize
Start	8753	End	48653
GI	none	Score	78
Exons	8753..8821, 8807..8941, 8954..9064, 9056..9142, 13617..13664, 13671..13808, 13815..13925, 13917..14102, 19630..19677, 19684..19827, 19828..19938, 19930..20103, 29876..29923, 29933..30073, 30074..30184, 30176..30349, 41005..41124, 41146..41301, 48261..48362, 48441..48551, 48543..48653		

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2660	Strand	-
Start	55218	End	61208
Name	OJ990713_03.9A01.C6.o2.tw	Method	TBLASTX:Wheat
Start	8777	End	48663
GI	none	Score	89
Exons	8777..8941, 8781..8966, 8817..8963, 8949..9116, 8951..9124,		

13635..14024, 13636..13971, 13637..14035, 19648..20037,
 19648..20037, 29894..30283, 29896..30204, 29896..30291,
 29907..30278, 40834..41115, 40834..41235, 41039..41236,
 48273..48311, 48309..48443, 48325..48378, 48435..48650,
 48448..48663

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2660	Strand	-
Start	55218	End	61208
Name	OJ990713_03.9A01.C6.o3.ts	Method	TBLASTX:Soybean
Start	8969	End	48788
GI	none	Score	95
Exons	8969..9130, 8976..9128, 9167..9295, 13764..14060, 13843..13998, 14031..14147, 19771..20073, 19856..20011, 20044..20172, 20050..20157, 30023..30292, 30102..30257, 30290..30418, 40963..41235, 41042..41197, 41230..41352, 41231..41284, 48456..48656, 48463..48624, 48660..48788, 48661..48768		

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2660	Strand	-
Start	55218	End	61208
Name	OJ990713_03.9A01.C6.o6.ts	Method	TBLASTX:Soybean
Start	9425	End	49310
GI	none	Score	100
Exons	9425..9601, 9438..9563, 9566..9643, 9728..9862, 14298..14486, 14299..14415, 14604..14723, 14760..14804, 20311..20493, 20363..20437, 20602..20700, 30551..30679, 30558..30683, 30801..30830, 30848..30934, 30923..31012, 41485..41631, 41510..41623, 41653..41712, 41806..41907, 48939..49154, 49224..49310		

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2660	Strand	-
Start	55218	End	61208
Name	OJ990713_03.9A01.C6.o2.tm	Method	TBLASTX:Maize
Start	51438	End	51920
GI	none	Score	561
Exons	51438..51920, 51463..51867		

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2660	Strand	-
Start	55218	End	61208
Name	OJ990713_03.9A01.C6.o2.tc	Method	TBLASTX:Cress
Start	51456	End	51902
GI	none	Score	189
Exons	51456..51752, 51459..51902, 51616..51867		

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2660	Strand	-
Start	55218	End	61208
Name	OJ990713_03.9A01.C6.o1.ts	Method	TBLASTX:Soybean
Start	51459	End	51875
GI	none	Score	249
Exons	51459..51875, 51462..51752, 51463..51867		

Seq. No.	1304	Seq. ID	OJ990713_03.9A01.C6
Gene No.	2660	Strand	-

Start 55218
 Name OJ990713_03.9A01.C6.o1.tw
 Start 51459
 GI none
 Exons 51459..51878, 51463..51867

End 61208
 Method TBLASTX:Wheat
 End 51878
 Score 570

Seq. No. 1304
 Gene No. 2660
 Start 55218
 Name OJ990713_03.9A01.C6.o16.gs
 Start 55218
 GI none
 Exons 55218..55386, 55934..56202, 56754..56883, 56896..57179, 58061..58453

Seq. ID OJ990713_03.9A01.C6
 Strand -
 End 61208
 Method GENSCAN
 End 58453
 Score .57

Seq. No. 1304
 Gene No. 2660
 Start 55218
 Name OJ990713_03.9A01.C6.o5.tm
 Start 56370
 GI none
 Exons 56370..56405, 56371..56406, 56462..56551, 56462..56542, 56565..56666, 56569..56667, 56569..56667

Seq. ID OJ990713_03.9A01.C6
 Strand -
 End 61208
 Method TBLASTX:Maize
 End 56667
 Score 42

Seq. No. 1304
 Gene No. 2660
 Start 55218
 Name OJ990713_03.9A01.C6.o5.np
 Start 56538
 GI 6630539
 Exons 56538..57061
 GI Descrip. (AC011708) putative RING zinc finger protein [Arabidopsis thaliana]

Seq. ID OJ990713_03.9A01.C6
 Strand -
 End 61208
 Method AAT/NAP
 End 57061
 Score 345

Seq. No. 1304
 Gene No. 2660
 Start 55218
 Name OJ990713_03.9A01.C6.o3.tc
 Start 56586
 GI none
 Exons 56586..56822, 56623..56826

Seq. ID OJ990713_03.9A01.C6
 Strand -
 End 61208
 Method TBLASTX:Cress
 End 56826
 Score 137

Seq. No. 1304
 Gene No. 2660
 Start 55218
 Name OJ990713_03.9A01.C6.o5.ts
 Start 56604
 GI none
 Exons 56604..56837, 56611..56835, 56646..56840, 56847..56909, 56875..56967, 56907..56972

Seq. ID OJ990713_03.9A01.C6
 Strand -
 End 61208
 Method TBLASTX:Soybean
 End 56972
 Score 147

Seq. No. 1304
 Gene No. 2660
 Start 55218
 Name OJ990713_03.9A01.C6.o4.tm
 Start 56713
 GI none

Seq. ID OJ990713_03.9A01.C6
 Strand -
 End 61208
 Method TBLASTX:Maize
 End 56985
 Score 102

Exons 56713..56817, 56714..56812, 56715..56834, 56823..56981,
56823..56909, 56833..56985, 56872..56985

Seq. No. 1304 Seq. ID OJ990713_03.9A01.C6
Gene No. 2660 Strand -
Start 55218 End 61208
Name OJ990713_03.9A01.C6.o6.np Method AAT/NAP
Start 57066 End 61208
GI 81286 Score 214
Exons 57066..57165, 58099..58395, 60965..61208
GI Descrip. extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283|
(X65165) extensin [Volvox carteri]

Seq. No. 1304 Seq. ID OJ990713_03.9A01.C6
Gene No. 2660 Strand -
Start 55218 End 61208
Name OJ990713_03.9A01.C6.o17.gs Method GENSCAN
Start 60740 End 61109
GI none Score .87
Exons 60740..61109

Seq. No. 1305 Seq. ID OJ990713_03.9A01.C7
Gene No. 2661 Strand +
Start 35 End 665
Name OJ990713_03.9A01.C7.o1.gs Method GENSCAN
Start 35 End 665
GI none Score .69
Exons 35..134, 625..665

Seq. No. 1305 Seq. ID OJ990713_03.9A01.C7
Gene No. 2662 Strand +
Start 1459 End 1929
Name OJ990713_03.9A01.C7.o1.gp Method AAT/GAP
Start 1459 End 1929
GI LIB3434-018-P1-K1-A8 Score 856
Exons 1459..1929
GI Descrip. '5669664/gb|AF100766.1|AF100766 6.0e-10 Oryza sativa
receptor-like kinase (8ARK2) gene, complete cds'

Seq. No. 1305 Seq. ID OJ990713_03.9A01.C7
Gene No. 2663 Strand +
Start 3070 End 7426
Name OJ990713_03.9A01.C7.o3.gs Method GENSCAN
Start 3070 End 7426
GI none Score .47
Exons 3070..3075, 4598..4641, 5153..5449, 5933..6073, 6763..6926,
7201..7426

Seq. No. 1305 Seq. ID OJ990713_03.9A01.C7
Gene No. 2664 Strand -
Start 793 End 1774
Name OJ990713_03.9A01.C7.o2.gs Method GENSCAN
Start 793 End 1774
GI none Score .91
Exons 793..1115, 1621..1774

Seq. No. 1306 Seq. ID OJ990713_09.9A03.C1

Gene No.	2665	Strand	-
Start	2555	End	4883
Name	OJ990713_09.9A03.C1.ol.gs	Method	GENSCAN
Start	2555	End	4841
GI	none	Score	.88
Exons	2555..2575, 4426..4583, 4829..4841		

Seq. No.	1306	Seq. ID	OJ990713_09.9A03.C1
Gene No.	2665	Strand	-
Start	2555	End	4883
Name	OJ990713_09.9A03.C1.ol.np	Method	AAT/NAP
Start	3451	End	4883
GI	3377507	Score	145
Exons	3451..3514, 3845..3921, 4426..4613, 4829..4883		
GI Descrip.	(AF056026) auxin transport protein EIR1 [Arabidopsis thaliana] gi 3661620 (AF093241) putative auxin efflux carrier AGR [Arabidopsis thaliana] gi 3746886 (AF087459) polar-auxin-transport efflux component AGRAVITROPIC 1 [Arabidopsis thaliana] gi 4206709 (AF086906) root gravitropism control protein [Arabidopsis thaliana]		

Seq. No.	1307	Seq. ID	OJ990713_09.9A03.C2
Gene No.	2666	Strand	-
Start	209	End	516
Name	OJ990713_09.9A03.C2.ol.gp	Method	AAT/GAP
Start	209	End	516
GI	LIB3432-059-P1-K1-D8	Score	538
Exons	209..516		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	1307	Seq. ID	OJ990713_09.9A03.C2
Gene No.	2667	Strand	-
Start	629	End	4609
Name	OJ990713_09.9A03.C2.ol.gs	Method	GENSCAN
Start	629	End	4609
GI	none	Score	.76
Exons	629..701, 786..896, 991..1164, 1272..1333, 1457..1623, 1749..1890, 1986..2105, 2151..2430, 2674..3060, 3172..3407, 4294..4431, 4451..4609		

Seq. No.	1307	Seq. ID	OJ990713_09.9A03.C2
Gene No.	2667	Strand	-
Start	629	End	4609
Name	OJ990713_09.9A03.C2.o2.tw	Method	TBLASTX:Wheat
Start	827	End	1345
GI	none	Score	65
Exons	827..898, 996..1178, 1003..1128, 1265..1345		

Seq. No.	1307	Seq. ID	OJ990713_09.9A03.C2
Gene No.	2667	Strand	-
Start	629	End	4609
Name	OJ990713_09.9A03.C2.ol.np	Method	AAT/NAP
Start	1399	End	3422
GI	4680204	Score	880
Exons	1399..1890, 1986..3422		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	1307	Seq. ID	OJ990713_09.9A03.C2
Gene No.	2667	Strand	-
Start	629	End	4609
Name	OJ990713_09.9A03.C2.o1.tw	Method	TBLASTX:Wheat
Start	2376	End	2779
GI	none	Score	50
Exons	2376..2471, 2377..2451, 2536..2676, 2541..2777, 2598..2777, 2639..2779, 2663..2779		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2668	Strand	+
Start	97	End	604
Name	OJ990713_09.9A03.C3.o1.gs	Method	GENSCAN
Start	97	End	604
GI	none	Score	.82
Exons	97..167, 460..604		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2669	Strand	+
Start	22004	End	23160
Name	OJ990713_09.9A03.C3.o5.gs	Method	GENSCAN
Start	22004	End	23160
GI	none	Score	.52
Exons	22004..22096, 22282..22431, 23011..23160		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2670	Strand	+
Start	28491	End	31966
Name	OJ990713_09.9A03.C3.o7.gs	Method	GENSCAN
Start	28491	End	31966
GI	none	Score	.81
Exons	28491..28575, 28768..28831, 29134..29235, 29571..29770, 29937..30061, 30175..30309, 30381..30439, 30509..30938, 30963..31270, 31392..31537, 31635..31966		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2671	Strand	+
Start	37487	End	40466
Name	OJ990713_09.9A03.C3.o5.np	Method	AAT/NAP
Start	37487	End	40466
GI	6721512	Score	66
Exons	37487..37518, 39046..39193, 39222..39399, 40365..40466		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2672	Strand	-
Start	874	End	9748
Name	OJ990713_09.9A03.C3.o1.gp	Method	AAT/GAP
Start	874	End	4956
GI	342_1.R1084	Score	6679
Exons	874..1416, 1557..4956		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2672	Strand	-

Start	874	End	9748
Name	OJ990713_09.9A03.C3.o2.gs	Method	GENSCAN
Start	1628	End	9748
GI	none	Score	.67
Exons	1628..2719, 3042..3808, 3946..4960, 5475..5512, 7384..7394, 7649..7833, 8633..8809, 9605..9748		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2672	Strand	-
Start	874	End	9748
Name	OJ990713_09.9A03.C3.o1.np	Method	AAT/NAP
Start	1649	End	4960
GI	4680203	Score	3222
Exons	1649..2626, 2901..3131, 3285..4960		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2672	Strand	-
Start	874	End	9748
Name	OJ990713_09.9A03.C3.o2.gp	Method	AAT/GAP
Start	4821	End	5444
GI	2310235	Score	299
Exons	4821..4960, 5407..5444		
GI Descrip.	5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2673	Strand	-
Start	11433	End	17999
Name	OJ990713_09.9A03.C3.o2.np	Method	AAT/NAP
Start	11376	End	16019
GI	6069646	Score	379
Exons	11376..11777, 15951..16019		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2673	Strand	-
Start	11433	End	17999
Name	OJ990713_09.9A03.C3.o3.gs	Method	GENSCAN
Start	11433	End	17999
GI	none	Score	.65
Exons	11433..11574, 12794..13048, 13506..13593, 13645..13686, 15241..15290, 15698..15792, 15835..16002, 16105..16203, 17770..17821, 17974..17999		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2674	Strand	-
Start	19987	End	21141
Name	OJ990713_09.9A03.C3.o4.gs	Method	GENSCAN
Start	19987	End	21141
GI	none	Score	.7
Exons	19987..20112, 20238..20301, 20443..20600, 20728..20988, 21061..21141		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2675	Strand	-
Start	22927	End	23365
Name	OJ990713_09.9A03.C3.o4.gp	Method	AAT/GAP
Start	22927	End	23365
GI	LIB3433-011-Q6-K1-G7	Score	833
Exons	22927..23365		
GI Descrip.	'4455190/emb CAB36513.1 8.0e-09 (AL035440) putative protein [Arabidopsis thaliana]'		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2676	Strand	-
Start	25670	End	27938
Name	OJ990713_09.9A03.C3.o6.gs	Method	GENSCAN
Start	25670	End	27938
GI	none	Score	.8
Exons	25670..25789, 27615..27938		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2677	Strand	-
Start	32764	End	40429
Name	OJ990713_09.9A03.C3.o1.tw	Method	TBLASTX:Wheat
Start	1703	End	3018
GI	none	Score	131
Exons	1703..1795, 1784..1864, 1877..2017, 1878..2018, 1965..2060, 1997..2056, 2063..2104, 2063..2107, 2068..2109, 2102..2680, 2118..2690, 2575..2691, 2671..3018, 2682..3017		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2677	Strand	-
Start	32764	End	40429
Name	OJ990713_09.9A03.C3.o1.tc	Method	TBLASTX:Cress
Start	2285	End	2730
GI	none	Score	90
Exons	2285..2434, 2285..2680, 2289..2690, 2581..2691, 2671..2730, 2682..2726		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2677	Strand	-
Start	32764	End	40429
Name	OJ990713_09.9A03.C3.o5.tm	Method	TBLASTX:Maize
Start	2682	End	2975
GI	none	Score	121
Exons	2682..2975, 2689..2964		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2677	Strand	-
Start	32764	End	40429
Name	OJ990713_09.9A03.C3.o6.tw	Method	TBLASTX:Wheat
Start	3033	End	3473
GI	none	Score	73
Exons	3033..3116, 3034..3108, 3042..3188, 3114..3353, 3159..3341, 3175..3354, 3328..3462, 3351..3473		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2677	Strand	-

Start 32764
 Name OJ990713_09.9A03.C3.o3.ts
 Start 3462
 GI none
 Exons 3462..3704

End 40429
 Method TBLASTX:Soybean
 End 3704
 Score 207

Seq. No. 1308
 Gene No. 2677
 Start 32764
 Name OJ990713_09.9A03.C3.o6.tm
 Start 3534
 GI none
 Exons 3534..3728, 3738..3863, 3893..3982

Seq. ID OJ990713_09.9A03.C3
 Strand -
 End 40429
 Method TBLASTX:Maize
 End 3982
 Score 61

Seq. No. 1308
 Gene No. 2677
 Start 32764
 Name OJ990713_09.9A03.C3.o3.tw
 Start 3568
 GI none
 Exons 3568..3774, 3568..3777, 3573..3797, 3777..3863, 3778..3867, 3857..3985, 3864..3971, 3986..4039, 3987..4031

Seq. ID OJ990713_09.9A03.C3
 Strand -
 End 40429
 Method TBLASTX:Wheat
 End 4039
 Score 154

Seq. No. 1308
 Gene No. 2677
 Start 32764
 Name OJ990713_09.9A03.C3.o2.tc
 Start 3876
 GI none
 Exons 3876..3965, 3890..4168, 4023..4175

Seq. ID OJ990713_09.9A03.C3
 Strand -
 End 40429
 Method TBLASTX:Cress
 End 4175
 Score 51

Seq. No. 1308
 Gene No. 2677
 Start 32764
 Name OJ990713_09.9A03.C3.o2.ts
 Start 3908
 GI none
 Exons 3908..4204, 3926..4150, 4199..4261, 4254..4337, 4262..4336

Seq. ID OJ990713_09.9A03.C3
 Strand -
 End 40429
 Method TBLASTX:Soybean
 End 4337
 Score 108

Seq. No. 1308
 Gene No. 2677
 Start 32764
 Name OJ990713_09.9A03.C3.o8.tw
 Start 4258
 GI none
 Exons 4258..4506, 4268..4519, 4269..4511, 4502..4654, 4516..4635

Seq. ID OJ990713_09.9A03.C3
 Strand -
 End 40429
 Method TBLASTX:Wheat
 End 4654
 Score 186

Seq. No. 1308
 Gene No. 2677
 Start 32764
 Name OJ990713_09.9A03.C3.o4.tm
 Start 23039
 GI none
 Exons 23039..23086, 23128..23154, 23145..23369, 23146..23361, 24067..24120, 24068..24118, 24243..24317, 24244..24318, 24244..24318, 24355..24468, 24404..24469, 24519..24545, 27649..27789, 27651..27791

Seq. ID OJ990713_09.9A03.C3
 Strand -
 End 40429
 Method TBLASTX:Maize
 End 27791
 Score 39

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2677	Strand	-
Start	32764	End	40429
Name	OJ990713_09.9A03.C3.o3.tc	Method	TBLASTX:Cress
Start	23265	End	27752
GI	none	Score	66
Exons	23265..23375, 23265..23369, 23266..23376, 24067..24120, 24068..24133, 24246..24314, 24376..24468, 27648..27752		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2677	Strand	-
Start	32764	End	40429
Name	OJ990713_09.9A03.C3.o8.gs	Method	GENSCAN
Start	32764	End	39146
GI	none	Score	.81
Exons	32764..33099, 33106..34896, 35133..35894, 36018..37072, 37182..37367, 37610..38008, 38081..39146		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2677	Strand	-
Start	32764	End	40429
Name	OJ990713_09.9A03.C3.o3.np	Method	AAT/NAP
Start	32767	End	35885
GI	5902445	Score	3123
Exons	32767..34008, 34048..35885		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2677	Strand	-
Start	32764	End	40429
Name	OJ990713_09.9A03.C3.o5.tw	Method	TBLASTX:Wheat
Start	32794	End	33384
GI	none	Score	78
Exons	32794..32907, 32932..33384, 33128..33235, 33304..33345		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2677	Strand	-
Start	32764	End	40429
Name	OJ990713_09.9A03.C3.o7.tm	Method	TBLASTX:Maize
Start	32812	End	33078
GI	none	Score	146
Exons	32812..32895, 32896..33078		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2677	Strand	-
Start	32764	End	40429
Name	OJ990713_09.9A03.C3.o7.tw	Method	TBLASTX:Wheat
Start	33508	End	33891
GI	none	Score	211
Exons	33508..33891, 33509..33883		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2677	Strand	-
Start	32764	End	40429
Name	OJ990713_09.9A03.C3.o2.tm	Method	TBLASTX:Maize
Start	33586	End	33891

GI none
Exons 33586..33891, 33587..33874

Score 170

Seq. No. 1308
Gene No. 2677
Start 32764
Name OJ990713_09.9A03.C3.o12.tw
Start 34033
GI none
Exons 34033..34389, 34034..34381

Seq. ID OJ990713_09.9A03.C3
Strand -
End 40429
Method TBLASTX:Wheat
End 34389
Score 110

Seq. No. 1308
Gene No. 2677
Start 32764
Name OJ990713_09.9A03.C3.o4.ts
Start 34294
GI none
Exons 34294..34542, 34316..34414, 34552..34677

Seq. ID OJ990713_09.9A03.C3
Strand -
End 40429
Method TBLASTX:Soybean
End 34677
Score 68

Seq. No. 1308
Gene No. 2677
Start 32764
Name OJ990713_09.9A03.C3.o10.tw
Start 34393
GI none
Exons 34393..34473, 34393..34566, 34574..34801, 34576..34800

Seq. ID OJ990713_09.9A03.C3
Strand -
End 40429
Method TBLASTX:Wheat
End 34801
Score 59

Seq. No. 1308
Gene No. 2677
Start 32764
Name OJ990713_09.9A03.C3.o1.ts
Start 34890
GI none
Exons 34890..35291, 35131..35289

Seq. ID OJ990713_09.9A03.C3
Strand -
End 40429
Method TBLASTX:Soybean
End 35291
Score 99

Seq. No. 1308
Gene No. 2677
Start 32764
Name OJ990713_09.9A03.C3.o4.tw
Start 34945
GI none
Exons 34945..35322, 34947..35369

Seq. ID OJ990713_09.9A03.C3
Strand -
End 40429
Method TBLASTX:Wheat
End 35369
Score 295

Seq. No. 1308
Gene No. 2677
Start 32764
Name OJ990713_09.9A03.C3.o3.tm
Start 35043
GI none
Exons 35043..35426, 35044..35322, 35313..35399

Seq. ID OJ990713_09.9A03.C3
Strand -
End 40429
Method TBLASTX:Maize
End 35426
Score 147

Seq. No. 1308
Gene No. 2677
Start 32764
Name OJ990713_09.9A03.C3.o1.tm
Start 35454
GI none

Seq. ID OJ990713_09.9A03.C3
Strand -
End 40429
Method TBLASTX:Maize
End 35810
Score 212

Exons 35454..35810, 35455..35748

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2677	Strand	-
Start	32764	End	40429
Name	OJ990713_09.9A03.C3.o2.tw	Method	TBLASTX:Wheat
Start	35484	End	35940
GI	none	Score	366
Exons	35484..35939, 35485..35940		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2677	Strand	-
Start	32764	End	40429
Name	OJ990713_09.9A03.C3.o4.np	Method	AAT/NAP
Start	35952	End	40429
GI	5902444	Score	1070
Exons	35952..37611, 37938..38226, 40398..40429		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2677	Strand	-
Start	32764	End	40429
Name	OJ990713_09.9A03.C3.o9.tw	Method	TBLASTX:Wheat
Start	36132	End	36587
GI	none	Score	145
Exons	36132..36368, 36142..36366, 36405..36587, 36406..36579		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2677	Strand	-
Start	32764	End	40429
Name	OJ990713_09.9A03.C3.o11.tw	Method	TBLASTX:Wheat
Start	37171	End	37569
GI	none	Score	258
Exons	37171..37569		

Seq. No.	1308	Seq. ID	OJ990713_09.9A03.C3
Gene No.	2677	Strand	-
Start	32764	End	40429
Name	OJ990713_09.9A03.C3.o8.tm	Method	TBLASTX:Maize
Start	37333	End	37572
GI	none	Score	192
Exons	37333..37572		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2678	Strand	+
Start	262	End	20841
Name	OJ990713_09.9A03.C4.o1.gs	Method	GENSCAN
Start	262	End	20814
GI	none	Score	.64
Exons	262..384, 1320..1411, 2497..2541, 2777..2936, 5327..5460, 6555..6780, 7338..7425, 7498..7679, 7735..7864, 7897..8051, 8410..8613, 8705..8778, 8916..9041, 9121..9214, 9316..9399, 9529..9672, 9753..9866, 9945..10001, 10084..10158, 10283..10387, 11063..11194, 11285..11377, 11482..11559, 11649..11903, 13158..13247, 13409..13552, 15694..16141, 16428..16586, 16682..16932, 17569..17711, 17882..19143, 20213..20814		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2678	Strand	+
Start	262	End	20841
Name	OJ990713_09.9A03.C4.o1.gp	Method	AAT/GAP
Start	2734	End	6993
GI	none	Score	1677
Exons	2734..2885, 2971..3064, 5327..5519, 6555..6993		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2678	Strand	+
Start	262	End	20841
Name	OJ990713_09.9A03.C4.o1.np	Method	AAT/NAP
Start	7911	End	13585
GI	6466963	Score	2175
Exons	7911..8055, 8458..8613, 8705..8778, 8916..9041, 9121..9214, 9316..9399, 9529..9672, 9753..9875, 9951..10001, 10084..10158, 10283..10387, 11063..11194, 11285..11377, 11482..11559, 11649..11903, 12334..12414, 12682..12889, 12969..13074, 13158..13247, 13409..13585		
GI Descrip.	(AC009176) putative heat-shock protein [Arabidopsis thaliana] gi 6648189 gb AAF21187.1 AC013483_11 (AC013483) putative heat-shock protein [Arabidopsis thaliana]		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2678	Strand	+
Start	262	End	20841
Name	OJ990713_09.9A03.C4.o2.gp	Method	AAT/GAP
Start	12969	End	13831
GI	75656_1.R1084	Score	1129
Exons	12969..13074, 13158..13247, 13409..13831		
GI Descrip.	'1076758/pir S49340 9.0e-31 heat-shock protein precursor - rye >gi_2130093_pir_S65776 heat-shock protein, 82K, precursor - rye >gi_556673_emb_CAA82945_ (Z30243) heat-shock protein [Secale cereale]'		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2678	Strand	+
Start	262	End	20841
Name	OJ990713_09.9A03.C4.o2.np	Method	AAT/NAP
Start	17886	End	20841
GI	6466960	Score	1569
Exons	17886..17938, 18008..18173, 18252..19143, 20213..20841		
GI Descrip.	(AC009176) unknown protein [Arabidopsis thaliana] gi 6648190 gb AAF21188.1 AC013483_12 (AC013483) unknown protein [Arabidopsis thaliana]		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2678	Strand	+
Start	262	End	20841
Name	OJ990713_09.9A03.C4.o3.gp	Method	AAT/GAP
Start	19089	End	20619
GI	none	Score	900
Exons	19089..19143, 20213..20619		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2679	Strand	+
Start	24029	End	26976

Name	OJ990713_09.9A03.C4.o3.np	Method	AAT/NAP
Start	24029	End	25801
GI	4263779	Score	341
Exons	24029..24095, 24122..24649, 25782..25801		
GI Descrip.	(AC006068) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2679	Strand	+
Start	24029	End	26976
Name	OJ990713_09.9A03.C4.o4.np	Method	AAT/NAP
Start	25668	End	26976
GI	5777617	Score	84
Exons	25668..25734, 26891..26976		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2680	Strand	+
Start	27758	End	27953
Name	OJ990713_09.9A03.C4.o5.np	Method	AAT/NAP
Start	27758	End	27953
GI	5441879	Score	82
Exons	27758..27953		
GI Descrip.	(AP000367) ESTs AU070372(S13446),AU075541(S0353) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana BAC genomic sequence. (AC002292) [Oryza sativa]		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2681	Strand	+
Start	29060	End	32146
Name	OJ990713_09.9A03.C4.o5.gp	Method	AAT/GAP
Start	29060	End	32146
GI	14968_1.R1084	Score	975
Exons	29060..29179, 30636..30792, 31885..32146		
GI Descrip.	'3935169 5.0e-26 (AC004557) F17L21.12 [Arabidopsis thaliana]'		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2681	Strand	+
Start	29060	End	32146
Name	OJ990713_09.9A03.C4.o6.np	Method	AAT/NAP
Start	30633	End	31928
GI	3935169	Score	256
Exons	30633..30792, 31885..31928		
GI Descrip.	(AC004557) F17L21.12 [Arabidopsis thaliana]		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2682	Strand	-
Start	20737	End	21185
Name	OJ990713_09.9A03.C4.o4.gp	Method	AAT/GAP
Start	20737	End	21185
GI	none	Score	864
Exons	20737..21185		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2683	Strand	-
Start	27066	End	27443
Name	OJ990713_09.9A03.C4.o3.gs	Method	GENSCAN
Start	27066	End	27443

GI none
Exons 27066..27443

Score .98

Seq. No. 1309
Gene No. 2684
Start 27638
Name OJ990713_09.9A03.C4.o4.gs
Start 27638
GI none
Exons 27638..28410, 28905..29529

Seq. ID OJ990713_09.9A03.C4
Strand -
End 29529
Method GENSCAN
End 29529
Score .63

Seq. No. 1309
Gene No. 2685
Start 30474
Name OJ990713_09.9A03.C4.o4.tm
Start 2890
GI none
Exons 2890..3000, 3007..3060, 3008..3064, 3008..3064, 5323..5517;
5324..5518, 5326..5517, 6553..6684, 6553..6684, 6554..6694

Seq. ID OJ990713_09.9A03.C4
Strand -
End 32040
Method TBLASTX:Maize
End 6694
Score 101

Seq. No. 1309
Gene No. 2685
Start 30474
Name OJ990713_09.9A03.C4.o4.ts
Start 3007
GI none
Exons 3007..3063, 3008..3064, 5319..5498, 5324..5518, 5326..5517,
6553..6687, 6554..6685

Seq. ID OJ990713_09.9A03.C4
Strand -
End 32040
Method TBLASTX:Soybean
End 6687
Score 94

Seq. No. 1309
Gene No. 2685
Start 30474
Name OJ990713_09.9A03.C4.o6.tc
Start 3011
GI none
Exons 3011..3064, 5319..5489, 5324..5518, 5326..5517

Seq. ID OJ990713_09.9A03.C4
Strand -
End 32040
Method TBLASTX:Cress
End 5518
Score 78

Seq. No. 1309
Gene No. 2685
Start 30474
Name OJ990713_09.9A03.C4.o9.tm
Start 8412
GI none
Exons 8412..8588, 8418..8567, 8419..8583, 8435..8587, 8437..8604,
8521..8616, 8556..8639, 8690..8734, 8702..8734

Seq. ID OJ990713_09.9A03.C4
Strand -
End 32040
Method TBLASTX:Maize
End 8734
Score 151

Seq. No. 1309
Gene No. 2685
Start 30474
Name OJ990713_09.9A03.C4.o4.tc
Start 8545
GI none
Exons 8545..8619, 8702..8776, 8898..9041, 8914..9042, 9112..9216,
9119..9214, 9121..9216, 9312..9401, 9315..9380, 9316..9402,
9473..9580, 9510..9626, 9523..9624, 9525..9638, 9529..9639

Seq. ID OJ990713_09.9A03.C4
Strand -
End 32040
Method TBLASTX:Cress
End 9639
Score 44

Seq. No. 1309 Seq. ID OJ990713_09.9A03.C4

Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o1.tw	Method	TBLASTX:Wheat
Start	8590	End	9396
GI	none	Score	39
Exons	8590..8619, 8690..8773, 8702..8776, 8898..9041, 8914..9042, 9118..9216, 9119..9214, 9127..9216, 9312..9395, 9315..9389, 9316..9396		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o3.tm	Method	TBLASTX:Maize
Start	8999	End	9651
GI	none	Score	50
Exons	8999..9028, 9000..9041, 9000..9041, 9001..9042, 9107..9214, 9118..9216, 9119..9220, 9121..9216, 9309..9392, 9312..9401, 9316..9402, 9512..9616, 9523..9618, 9527..9625, 9529..9618, 9621..9650, 9622..9651		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o3.ts	Method	TBLASTX:Soybean
Start	9148	End	9869
GI	none	Score	93
Exons	9148..9216, 9149..9214, 9312..9401, 9316..9402, 9527..9664, 9528..9671, 9529..9654, 9539..9673, 9544..9678, 9750..9869, 9755..9868		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o2.tm	Method	TBLASTX:Maize
Start	9825	End	13597
GI	none	Score	80
Exons	9825..9869, 10086..10157, 10115..10159, 10117..10164, 10117..10158, 10282..10386, 10283..10387, 10283..10387, 10284..10388, 11050..11100, 11060..11122, 11060..11122, 11122..11187, 11124..11186, 11126..11194, 11126..11194, 11283..11378, 11284..11379, 11285..11386, 11285..11383, 11450..11560, 11481..11561, 11482..11559, 11486..11560, 11646..11903, 11648..11905, 11649..11906, 12708..12896, 12709..12888, 12710..12892, 12915..13076, 12961..13089, 12967..13086, 13152..13259, 13165..13242, 13173..13244, 13408..13485, 13409..13492, 13483..13533, 13529..13597		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o9.ts	Method	TBLASTX:Soybean
Start	10117	End	11170
GI	none	Score	89
Exons	10117..10164, 10117..10164, 10283..10387, 10285..10386, 11060..11098, 11111..11170		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
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Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o2.tc	Method	TBLASTX:Cress
Start	11111	End	11894
GI	none	Score	130
Exons	11111..11194, 11152..11193, 11276..11386, 11285..11386, 11287..11388, 11482..11559, 11491..11553, 11646..11876, 11648..11893, 11649..11894		
Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o3.tw	Method	TBLASTX:Wheat
Start	11161	End	11690
GI	none	Score	57
Exons	11161..11193, 11162..11194, 11281..11382, 11283..11378, 11284..11388, 11285..11386, 11482..11559, 11491..11526, 11648..11689, 11649..11690		
Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o2.ts	Method	TBLASTX:Soybean
Start	11171	End	13477
GI	none	Score	34
Exons	11171..11194, 11281..11382, 11283..11381, 11285..11386, 11285..11383, 11481..11561, 11482..11559, 11648..11905, 11649..11906, 12711..12896, 12770..12892, 12961..13092, 12966..13070, 13152..13259, 13409..13477		
Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o5.tw	Method	TBLASTX:Wheat
Start	11691	End	13047
GI	none	Score	183
Exons	11691..11906, 11693..11818, 11867..11905, 12767..12889, 12768..12896, 12961..13047		
Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o3.tc	Method	TBLASTX:Cress
Start	12711	End	13477
GI	none	Score	199
Exons	12711..12896, 12770..12892, 12961..13092, 12967..13074, 13152..13259, 13402..13476, 13409..13477		
Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o5.tm	Method	TBLASTX:Maize
Start	17762	End	18295
GI	none	Score	56
Exons	17762..17803, 17883..17915, 17885..17929, 18000..18152, 18002..18154, 18245..18295, 18251..18292		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o6.ts	Method	TBLASTX:Soybean
Start	18000	End	18560
GI	none	Score	57
Exons	18000..18086, 18008..18061, 18066..18140, 18068..18145, 18276..18560, 18422..18559		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o1.tc	Method	TBLASTX:Cress
Start	18282	End	19111
GI	none	Score	137
Exons	18282..18434, 18453..18875, 18455..18874, 18632..18877, 18860..19057, 18873..19058, 19049..19111		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o8.tm	Method	TBLASTX:Maize
Start	18479	End	18639
GI	none	Score	227
Exons	18479..18637, 18483..18638, 18583..18639		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o1.ts	Method	TBLASTX:Soybean
Start	18564	End	20385
GI	none	Score	734
Exons	18564..19109, 18566..19087, 20194..20385, 20205..20378		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o1.tm	Method	TBLASTX:Maize
Start	18654	End	20850
GI	none	Score	94
Exons	18654..18704, 18655..18693, 18656..18697, 18706..18759, 18707..18760, 18708..18758, 18759..19142, 18760..19026, 18761..19141, 18763..19143, 18764..19144, 20206..20697, 20206..20388, 20211..20519, 20480..20737, 20481..20723, 20721..20804, 20737..20808, 20743..20850		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o6.tw	Method	TBLASTX:Wheat
Start	18795	End	19016
GI	none	Score	178
Exons	18795..19016, 18872..19015		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040

Name OJ990713_09.9A03.C4.o9.tc
 Start 20211
 GI none
 Exons 20211..20378, 20212..20379

Method TBLASTX:Cress
 End 20379
 Score 198

Seq. No. 1309
 Gene No. 2685
 Start 30474
 Name OJ990713_09.9A03.C4.o5.tc
 Start 20380
 GI none
 Exons 20380..20688, 20457..20516

Seq. ID OJ990713_09.9A03.C4
 Strand -
 End 32040
 Method TBLASTX:Cress
 End 20688
 Score 342

Seq. No. 1309
 Gene No. 2685
 Start 30474
 Name OJ990713_09.9A03.C4.o5.ts
 Start 20389
 GI none
 Exons 20389..20457, 20449..20703, 20460..20519, 20734..20784

Seq. ID OJ990713_09.9A03.C4
 Strand -
 End 32040
 Method TBLASTX:Soybean
 End 20784
 Score 64

Seq. No. 1309
 Gene No. 2685
 Start 30474
 Name OJ990713_09.9A03.C4.o7.ts
 Start 24201
 GI none
 Exons 24201..24323, 24202..24336, 24385..24561

Seq. ID OJ990713_09.9A03.C4
 Strand -
 End 32040
 Method TBLASTX:Soybean
 End 24561
 Score 135

Seq. No. 1309
 Gene No. 2685
 Start 30474
 Name OJ990713_09.9A03.C4.o4.tw
 Start 24204
 GI none
 Exons 24204..24362, 24205..24363, 24384..24476, 24385..24477

Seq. ID OJ990713_09.9A03.C4
 Strand -
 End 32040
 Method TBLASTX:Wheat
 End 24477
 Score 172

Seq. No. 1309
 Gene No. 2685
 Start 30474
 Name OJ990713_09.9A03.C4.o6.tm
 Start 24204
 GI none
 Exons 24204..24320, 24205..24336, 24381..24533, 24382..24540

Seq. ID OJ990713_09.9A03.C4
 Strand -
 End 32040
 Method TBLASTX:Maize
 End 24540
 Score 157

Seq. No. 1309
 Gene No. 2685
 Start 30474
 Name OJ990713_09.9A03.C4.o8.tc
 Start 24205
 GI none
 Exons 24205..24336, 24240..24308, 24385..24561

Seq. ID OJ990713_09.9A03.C4
 Strand -
 End 32040
 Method TBLASTX:Cress
 End 24561
 Score 125

Seq. No. 1309
 Gene No. 2685
 Start 30474
 Name OJ990713_09.9A03.C4.o5.gs
 Method GENSCAN

Seq. ID OJ990713_09.9A03.C4
 Strand -
 End 32040

Start	30474	End	32033
GI	none	Score	.52
Exons	30474..30497, 30641..30717, 31982..32033		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o7.tm	Method	TBLASTX:Maize
Start	30624	End	32040
GI	none	Score	259
Exons	30624..30791, 30635..30793, 30635..30790, 31881..31934, 31886..31927, 31936..32040		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o7.tc	Method	TBLASTX:Cress
Start	30630	End	31931
GI	none	Score	219
Exons	30630..30791, 30635..30793, 30635..30790, 30657..30800, 31881..31931		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o2.tw	Method	TBLASTX:Wheat
Start	30635	End	31948
GI	none	Score	260
Exons	30635..30790, 30636..30791, 30636..30800, 30637..30801, 31881..31943, 31884..31943, 31885..31947, 31886..31948		

Seq. No.	1309	Seq. ID	OJ990713_09.9A03.C4
Gene No.	2685	Strand	-
Start	30474	End	32040
Name	OJ990713_09.9A03.C4.o8.ts	Method	TBLASTX:Soybean
Start	30635	End	30797
GI	none	Score	237
Exons	30635..30796, 30636..30797		

Seq. No.	1310	Seq. ID	OJ990713_09.9A03.C5
Gene No.	2686	Strand	+
Start	3259	End	10721
Name	OJ990713_09.9A03.C5.o1.np	Method	AAT/NAP
Start	3259	End	6279
GI	1778095	Score	1065
Exons	3259..3399, 3494..3840, 4164..5140, 6159..6279		
GI Descrip.	(U64903) putative sugar transporter; member of major facilitative superfamily; integral membrane protein [Beta vulgaris]		

Seq. No.	1310	Seq. ID	OJ990713_09.9A03.C5
Gene No.	2686	Strand	+
Start	3259	End	10721
Name	OJ990713_09.9A03.C5.o1.gp	Method	AAT/GAP
Start	3714	End	4417
GI	LIB3431-005-P1-K1-F9	Score	699
Exons	3714..3840, 4164..4417		

GI Descrip. '1778095 5.0e-44 (U64903) putative sugar transporter; member of major facilitative superfamily; integral membrane protein [Beta vulgaris]'

Seq. No.	1310	Seq. ID	OJ990713_09.9A03.C5
Gene No.	2686	Strand	+
Start	3259	End	10721
Name	OJ990713_09.9A03.C5.o2.np	Method	AAT/NAP
Start	6014	End	9647
GI	6862925	Score	259
Exons	6014..6346, 6915..7176, 9519..9647		
GI Descrip.	(AC018907) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1310	Seq. ID	OJ990713_09.9A03.C5
Gene No.	2686	Strand	+
Start	3259	End	10721
Name	OJ990713_09.9A03.C5.o2.gs	Method	GENSCAN
Start	8600	End	10721
GI	none	Score	.88
Exons	8600..8757, 8789..8927, 8956..9006, 9897..10002, 10405..10721		

Seq. No.	1310	Seq. ID	OJ990713_09.9A03.C5
Gene No.	2687	Strand	+
Start	11071	End	12447
Name	OJ990713_09.9A03.C5.o3.gs	Method	GENSCAN
Start	11071	End	12447
GI	none	Score	.94
Exons	11071..12447		

Seq. No.	1310	Seq. ID	OJ990713_09.9A03.C5
Gene No.	2688	Strand	-
Start	4957	End	5255
Name	OJ990713_09.9A03.C5.o2.gp	Method	AAT/GAP
Start	4957	End	5255
GI	none	Score	578
Exons	4957..5255		

Seq. No.	1310	Seq. ID	OJ990713_09.9A03.C5
Gene No.	2689	Strand	-
Start	16104	End	17061
Name	OJ990713_09.9A03.C5.o2.tc	Method	TBLASTX:Cress
Start	3330	End	3705
GI	none	Score	94
Exons	3330..3398, 3492..3683, 3493..3696, 3493..3705		

Seq. No.	1310	Seq. ID	OJ990713_09.9A03.C5
Gene No.	2689	Strand	-
Start	16104	End	17061
Name	OJ990713_09.9A03.C5.o1.tm	Method	TBLASTX:Maize
Start	3333	End	5024
GI	none	Score	114
Exons	3333..3401, 3335..3400, 3481..3726, 3492..3623, 3493..3843, 3495..3839, 4155..4244, 4161..4421, 4163..4384, 4476..4496, 4493..4768, 4494..4769, 4512..4775, 4869..5015, 4871..4999, 4986..5024		

Seq. No.	1310	Seq. ID	OJ990713_09.9A03.C5
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Gene No.	2689	Strand	-
Start	16104	End	17061
Name	OJ990713_09.9A03.C5.o1.ts	Method	TBLASTX:Soybean
Start	3333	End	5132
GI	none	Score	90
Exons	3333..3398, 3366..3398, 3492..3842, 3493..3843, 4151..4381, 4155..4418, 4497..4763, 4536..4595, 4541..4756, 4641..4775, 4871..4993, 4872..5015, 5063..5125, 5079..5132		

Seq. No.	1310	Seq. ID	OJ990713_09.9A03.C5
Gene No.	2689	Strand	-
Start	16104	End	17061
Name	OJ990713_09.9A03.C5.o1.tw	Method	TBLASTX:Wheat
Start	4193	End	4418
GI	none	Score	239
Exons	4193..4384, 4194..4418		

Seq. No.	1310	Seq. ID	OJ990713_09.9A03.C5
Gene No.	2689	Strand	-
Start	16104	End	17061
Name	OJ990713_09.9A03.C5.o1.tc	Method	TBLASTX:Cress
Start	4200	End	4610
GI	none	Score	222
Exons	4200..4418, 4223..4384, 4493..4609, 4497..4610		

Seq. No.	1310	Seq. ID	OJ990713_09.9A03.C5
Gene No.	2689	Strand	-
Start	16104	End	17061
Name	OJ990713_09.9A03.C5.o2.tm	Method	TBLASTX:Maize
Start	6017	End	6308
GI	none	Score	288
Exons	6017..6307, 6018..6308		

Seq. No.	1310	Seq. ID	OJ990713_09.9A03.C5
Gene No.	2689	Strand	-
Start	16104	End	17061
Name	OJ990713_09.9A03.C5.o4.gs	Method	GENSCAN
Start	16104	End	17061
GI	none	Score	.4
Exons	16104..16438, 16982..17061		

Seq. No.	1311	Seq. ID	OJ990713_09.9A03.C6
Gene No.	2690	Strand	+
Start	10496	End	17877
Name	OJ990713_09.9A03.C6.o3.gs	Method	GENSCAN
Start	10496	End	17877
GI	none	Score	.45
Exons	10496..11613, 15810..15933, 16029..16751, 16925..17372, 17609..17877		

Seq. No.	1311	Seq. ID	OJ990713_09.9A03.C6
Gene No.	2691	Strand	+
Start	18597	End	24075
Name	OJ990713_09.9A03.C6.o5.np	Method	AAT/NAP
Start	18597	End	24075
GI	4680199	Score	243
Exons	18597..18624, 21483..22052, 22149..22264, 24050..24075		

GI Descrip. (AF114171) hypothetical protein [Sorghum bicolor]

Seq. No.	1311	Seq. ID	OJ990713_09.9A03.C6
Gene No.	2692	Strand	-
Start	4593	End	5898
Name	OJ990713_09.9A03.C6.o3.np	Method	AAT/NAP
Start	4593	End	5898
GI	6815099	Score	90
Exons	4593..4722, 5829..5898		
GI Descrip. (AP001081) hypothetical protein [Oryza sativa]			

Seq. No.	1311	Seq. ID	OJ990713_09.9A03.C6
Gene No.	2693	Strand	-
Start	6288	End	6417
Name	OJ990713_09.9A03.C6.o1.gp	Method	AAT/GAP
Start	6288	End	6417
GI	none	Score	171
Exons	6288..6417		

Seq. No.	1311	Seq. ID	OJ990713_09.9A03.C6
Gene No.	2694	Strand	-
Start	7278	End	7884
Name	OJ990713_09.9A03.C6.o2.gs	Method	GENSCAN
Start	7278	End	7884
GI	none	Score	.88
Exons	7278..7384, 7761..7884		

Seq. No.	1311	Seq. ID	OJ990713_09.9A03.C6
Gene No.	2695	Strand	-
Start	8827	End	9261
Name	OJ990713_09.9A03.C6.o2.gp	Method	AAT/GAP
Start	8827	End	9261
GI	LIB3432-059-P1-K1-D8	Score	654
Exons	8827..9261		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	1311	Seq. ID	OJ990713_09.9A03.C6
Gene No.	2696	Strand	-
Start	17537	End	18080
Name	OJ990713_09.9A03.C6.o3.gp	Method	AAT/GAP
Start	17537	End	18080
GI	3762464	Score	690
Exons	17537..17563, 17585..17869, 17899..18080		

Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2697	Strand	+
Start	305	End	697
Name	OJ990713_09.9A03.C7.o1.gs	Method	GENSCAN
Start	305	End	697
GI	none	Score	.95
Exons	305..495, 557..697		

Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2698	Strand	+
Start	4137	End	5642
Name	OJ990713_09.9A03.C7.o2.gs	Method	GENSCAN

Start	4137	End	5642
GI	none	Score	.8
Exons	4137..4139, 4573..4617, 4784..4919, 5551..5642		

Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2699	Strand	+
Start	6345	End	8715
Name	OJ990713_09.9A03.C7.o1.np	Method	AAT/NAP
Start	6345	End	8715
GI	5915841	Score	1396
Exons	6345..6833, 7147..7602, 8092..8715		
GI Descrip.	CYTOCHROME P450 71E1 gi 2766452 (AF029858) cytochrome P450 CYP71E1 [Sorghum bicolor]		

Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2699	Strand	+
Start	6345	End	8715
Name	OJ990713_09.9A03.C7.o3.gs	Method	GENSCAN
Start	6345	End	8715
GI	none	Score	.97
Exons	6345..6833, 7147..7602, 8092..8715		

Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2700	Strand	+
Start	17583	End	26495
Name	OJ990713_09.9A03.C7.o3.np	Method	AAT/NAP
Start	17474	End	26495
GI	6729499	Score	2541
Exons	17474..17869, 18113..18236, 18752..18837, 18942..19026, 21114..21273, 21377..21453, 21680..21733, 21817..21907, 22013..22314, 22416..22691, 22770..23083, 23176..23336, 23410..23522, 23611..23748, 24325..24534, 24639..24971, 25085..25375, 26408..26495		
GI Descrip.	(AL132966) ABC transporter-like protein [Arabidopsis thaliana]		

Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2700	Strand	+
Start	17583	End	26495
Name	OJ990713_09.9A03.C7.o6.gs	Method	GENSCAN
Start	17583	End	25375
GI	none	Score	.72
Exons	17583..17873, 18752..18837, 18942..19026, 19858..20031, 20087..20180, 20213..20378, 20797..21005, 21097..21273, 21377..21453, 21817..21907, 22013..22314, 22770..23083, 23176..23336, 23410..23513, 23602..23755, 24217..24324, 24461..24534, 24639..24971, 25085..25375		

Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2701	Strand	-
Start	13008	End	14054
Name	OJ990713_09.9A03.C7.o5.gs	Method	GENSCAN
Start	13008	End	14054
GI	none	Score	.46
Exons	13008..13115, 13504..13547, 13943..14054		

Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2702	Strand	-

Start	15655	End	17377
Name	OJ990713_09.9A03.C7.o5.tm	Method	TBLASTX:Maize
Start	4759	End	17362
GI	none	Score	68
Exons	4759..4827, 4760..4825, 16369..16524, 16376..16531, 16518..16631, 16525..16602, 16605..16634, 16663..16716, 16667..16720, 17294..17362		

Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2702	Strand	-
Start	15655	End	17377
Name	OJ990713_09.9A03.C7.o4.tc	Method	TBLASTX:Cress
Start	4762	End	17375
GI	none	Score	42
Exons	4762..4854, 16130..16198, 16286..16309, 16318..16524, 16379..16468, 16518..16628, 16522..16602, 16636..16716, 16664..16720, 17263..17310, 17294..17362, 17349..17375		

Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2702	Strand	-
Start	15655	End	17377
Name	OJ990713_09.9A03.C7.o4.tm	Method	TBLASTX:Maize
Start	6420	End	6836
GI	none	Score	300
Exons	6420..6659, 6453..6836, 6473..6745		

Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2702	Strand	-
Start	15655	End	17377
Name	OJ990713_09.9A03.C7.o1.tc	Method	TBLASTX:Cress
Start	6453	End	8688
GI	none	Score	76
Exons	6453..6527, 6467..6526, 6534..6908, 6566..6751, 8086..8214, 8221..8433, 8314..8418, 8422..8688, 8469..8687		

Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2702	Strand	-
Start	15655	End	17377
Name	OJ990713_09.9A03.C7.o2.ts	Method	TBLASTX:Soybean
Start	6471	End	8896
GI	none	Score	279
Exons	6471..6836, 8100..8273, 8101..8433, 8348..8407, 8425..8697, 8463..8690, 8801..8896		

Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2702	Strand	-
Start	15655	End	17377
Name	OJ990713_09.9A03.C7.o2.tm	Method	TBLASTX:Maize
Start	8089	End	8685
GI	none	Score	130
Exons	8089..8277, 8273..8398, 8341..8418, 8346..8399, 8422..8685, 8466..8684		

Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2702	Strand	-
Start	15655	End	17377
Name	OJ990713_09.9A03.C7.o2.tw	Method	TBLASTX:Wheat

Start	8097	End	8400
GI	none	Score	132
Exons	8097..8270, 8098..8277, 8273..8398, 8338..8400, 8340..8399		
Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2702	Strand	-
Start	15655	End	17377
Name	OJ990713_09.9A03.C7.o1.tw	Method	TBLASTX:Wheat
Start	8418	End	8694
GI	none	Score	79
Exons	8418..8606, 8428..8694, 8428..8577, 8469..8693		
Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2702	Strand	-
Start	15655	End	17377
Name	OJ990713_09.9A03.C7.o2.np	Method	AAT/NAP
Start	15655	End	17377
GI	3236253	Score	389
Exons	15655..15773, 16069..16765, 17251..17377		
GI Descrip.	(AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2703	Strand	-
Start	21114	End	26494
Name	OJ990713_09.9A03.C7.o1.tm	Method	TBLASTX:Maize
Start	21114	End	25189
GI	none	Score	76
Exons	21114..21245, 24451..24546, 24609..24956, 24638..24988, 24639..24989, 25088..25189		
Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2703	Strand	-
Start	21114	End	26494
Name	OJ990713_09.9A03.C7.o3.tc	Method	TBLASTX:Cress
Start	21114	End	25285
GI	none	Score	80
Exons	21114..21245, 24639..24959, 24668..24958, 25088..25285, 25144..25284		
Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2703	Strand	-
Start	21114	End	26494
Name	OJ990713_09.9A03.C7.o1.ts	Method	TBLASTX:Soybean
Start	21114	End	26494
GI	none	Score	69
Exons	21114..21245, 21841..21903, 22003..22077, 22135..22212, 23394..23507, 24637..24876, 24638..24988, 24639..24989, 25088..25378, 25144..25377, 26399..26494		
Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2703	Strand	-
Start	21114	End	26494
Name	OJ990713_09.9A03.C7.o3.tm	Method	TBLASTX:Maize
Start	21813	End	25390
GI	none	Score	139
Exons	21813..21908, 21817..21909, 22006..22227, 22014..22232,		

22015..22233, 25190..25297, 25313..25390

Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2703	Strand	
Start	21114	End	26494
Name	OJ990713_09.9A03.C7.o5.tc	Method	TBLASTX:Cress
Start	22129	End	22532
GI	none	Score	227
Exons	22129..22317, 22134..22322, 22416..22532		

Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2703	Strand	
Start	21114	End	26494
Name	OJ990713_09.9A03.C7.o3.ts	Method	TBLASTX:Soybean
Start	22213	End	22700
GI	none	Score	129
Exons	22213..22317, 22227..22322, 22428..22553, 22554..22700, 22568..22687		

Seq. No.	1312	Seq. ID	OJ990713_09.9A03.C7
Gene No.	2703	Strand	
Start	21114	End	26494
Name	OJ990713_09.9A03.C7.o2.tc	Method	TBLASTX:Cress
Start	22836	End	23751
GI	none	Score	218
Exons	22836..23084, 22848..23066, 22931..23086, 22958..23083, 23173..23331, 23174..23272, 23394..23519, 23405..23506, 23614..23751		

Seq. No.	1313	Seq. ID	OJ990713_09.9A03.C8
Gene No.	2704	Strand	+
Start	1	End	2338
Name	OJ990713_09.9A03.C8.o1.np	Method	AAT/NAP
Start	1	End	2335
GI	4056482	Score	840
Exons	1..39, 291..424, 577..804, 934..1105, 1187..1441, 2072..2335		
GI Descrip.	(AC005896) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	1313	Seq. ID	OJ990713_09.9A03.C8
Gene No.	2704	Strand	+
Start	1	End	2338
Name	OJ990713_09.9A03.C8.o1.gs	Method	GENSCAN
Start	345	End	2338
GI	none	Score	.59
Exons	345..424, 577..804, 934..1105, 2072..2338		

Seq. No.	1313	Seq. ID	OJ990713_09.9A03.C8
Gene No.	2705	Strand	-
Start	3404	End	4215
Name	OJ990713_09.9A03.C8.o2.ts	Method	TBLASTX:Soybean
Start	294	End	1441
GI	none	Score	102
Exons	294..416, 590..799, 682..786, 932..1108, 1178..1441		

Seq. No.	1313	Seq. ID	OJ990713_09.9A03.C8
Gene No.	2705	Strand	-
Start	3404	End	4215

Name	OJ990713_09.9A03.C8.o2.tc	Method	TBLASTX:Cress
Start	309	End	1288
GI	none	Score	90
Exons	309..425, 587..835, 685..786, 944..1108, 1184..1288		

Seq. No.	1313	Seq. ID	OJ990713_09.9A03.C8
Gene No.	2705	Strand	-
Start	3404	End	4215
Name	OJ990713_09.9A03.C8.o1.tm	Method	TBLASTX:Maize
Start	590	End	2173
GI	none	Score	154
Exons	590..790, 938..1108, 1178..1432, 2066..2173		

Seq. No.	1313	Seq. ID	OJ990713_09.9A03.C8
Gene No.	2705	Strand	-
Start	3404	End	4215
Name	OJ990713_09.9A03.C8.o1.tc	Method	TBLASTX:Cress
Start	1304	End	2341
GI	none	Score	110
Exons	1304..1444, 2045..2341, 2051..2245, 2077..2325		

Seq. No.	1313	Seq. ID	OJ990713_09.9A03.C8
Gene No.	2705	Strand	-
Start	3404	End	4215
Name	OJ990713_09.9A03.C8.o1.ts	Method	TBLASTX:Soybean
Start	2072	End	2340
GI	none	Score	311
Exons	2072..2338, 2074..2340, 2074..2337		

Seq. No.	1313	Seq. ID	OJ990713_09.9A03.C8
Gene No.	2705	Strand	-
Start	3404	End	4215
Name	OJ990713_09.9A03.C8.o2.gs	Method	GENSCAN
Start	3404	End	4215
GI	none	Score	.88
Exons	3404..3478, 4096..4215		

Seq. No.	1314	Seq. ID	OJ990713_09.9A03.C9
Gene No.	2706	Strand	-
Start	1393	End	5104
Name	OJ990713_09.9A03.C9.o1.gs	Method	GENSCAN
Start	1393	End	4892
GI	none	Score	.48
Exons	1393..1509, 1923..1965, 1997..2319, 3552..4460, 4515..4892		

Seq. No.	1314	Seq. ID	OJ990713_09.9A03.C9
Gene No.	2706	Strand	-
Start	1393	End	5104
Name	OJ990713_09.9A03.C9.o4.tm	Method	TBLASTX:Maize
Start	3005	End	3251
GI	none	Score	48
Exons	3005..3037, 3005..3037, 3039..3251, 3130..3198		

Seq. No.	1314	Seq. ID	OJ990713_09.9A03.C9
Gene No.	2706	Strand	-
Start	1393	End	5104
Name	OJ990713_09.9A03.C9.o1.np	Method	AAT/NAP

Start	3015	End	5104
GI	4680179	Score	2766
Exons	3015..5104		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1314	Seq. ID	OJ990713_09.9A03.C9
Gene No.	2706	Strand	-
Start	1393	End	5104
Name	OJ990713_09.9A03.C9.o4.tw	Method	TBLASTX:Wheat
Start	3060	End	3390
GI	none	Score	59
Exons	3060..3389, 3111..3242, 3253..3390		

Seq. No.	1314	Seq. ID	OJ990713_09.9A03.C9
Gene No.	2706	Strand	-
Start	1393	End	5104
Name	OJ990713_09.9A03.C9.o1.tm	Method	TBLASTX:Maize
Start	3255	End	3840
GI	none	Score	80
Exons	3255..3680, 3256..3453, 3270..3560, 3511..3681, 3678..3839, 3685..3840		

Seq. No.	1314	Seq. ID	OJ990713_09.9A03.C9
Gene No.	2706	Strand	-
Start	1393	End	5104
Name	OJ990713_09.9A03.C9.o1.tw	Method	TBLASTX:Wheat
Start	3393	End	4019
GI	none	Score	41
Exons	3393..4019, 3394..3453, 3435..3848, 3511..4017		

Seq. No.	1314	Seq. ID	OJ990713_09.9A03.C9
Gene No.	2706	Strand	-
Start	1393	End	5104
Name	OJ990713_09.9A03.C9.o3.tm	Method	TBLASTX:Maize
Start	3888	End	4180
GI	none	Score	201
Exons	3888..4178, 3895..4077, 4082..4180		

Seq. No.	1314	Seq. ID	OJ990713_09.9A03.C9
Gene No.	2706	Strand	-
Start	1393	End	5104
Name	OJ990713_09.9A03.C9.o1.ts	Method	TBLASTX:Soybean
Start	3978	End	4238
GI	none	Score	43
Exons	3978..4238, 3987..4085, 4129..4233		

Seq. No.	1314	Seq. ID	OJ990713_09.9A03.C9
Gene No.	2706	Strand	-
Start	1393	End	5104
Name	OJ990713_09.9A03.C9.o1.tc	Method	TBLASTX:Cress
Start	4002	End	4328
GI	none	Score	80
Exons	4002..4145, 4146..4328		

Seq. No.	1314	Seq. ID	OJ990713_09.9A03.C9
Gene No.	2706	Strand	-
Start	1393	End	5104

Name	OJ990713_09.9A03.C9.o2.tw	Method	TBLASTX:Wheat
Start	4025	End	4565
GI	none	Score	154
Exons	4025..4375, 4026..4565, 4030..4395		

Seq. No.	1314	Seq. ID	OJ990713_09.9A03.C9
Gene No.	2706	Strand	-
Start	1393	End	5104
Name	OJ990713_09.9A03.C9.o2.tm	Method	TBLASTX:Maize
Start	4593	End	4907
GI	none	Score	158
Exons	4593..4907, 4600..4905		

Seq. No.	1314	Seq. ID	OJ990713_09.9A03.C9
Gene No.	2706	Strand	-
Start	1393	End	5104
Name	OJ990713_09.9A03.C9.o3.tw	Method	TBLASTX:Wheat
Start	4593	End	4908
GI	none	Score	214
Exons	4593..4901, 4593..4907, 4600..4908		

Seq. No.	1315	Seq. ID	OJ990713_09.9A03.C10
Gene No.	2707	Strand	+
Start	1	End	288
Name	OJ990713_09.9A03.C10.o1.np	Method	AAT/NAP
Start	1	End	288
GI	4587549	Score	74
Exons	1..154, 259..288		
GI Descrip.	(AC006577) Similar to gb U55861 RNA binding protein nucleolysin (TIAR) from Mus musculus and contains several PF 00076 RNA recognition motif domains. ESTs gb T21032 and gb T44127 come from this gene. [Arabidopsis t...]		

Seq. No.	1316	Seq. ID	OJ990713_09.9A03.C11
Gene No.	2708	Strand	-
Start	1	End	351
Name	OJ990713_09.9A03.C11.o1.np	Method	AAT/NAP
Start	1	End	351
GI	4567282	Score	75
Exons	1..211, 286..351		
GI Descrip.	(AC006841) putative DnaJ protein [Arabidopsis thaliana]		

Seq. No.	1316	Seq. ID	OJ990713_09.9A03.C11
Gene No.	2708	Strand	-
Start	1	End	351
Name	OJ990713_09.9A03.C11.o1.tm	Method	TBLASTX:Maize
Start	62	End	203
GI	none	Score	111
Exons	62..202, 66..203, 71..184, 88..195		

Seq. No.	1316	Seq. ID	OJ990713_09.9A03.C11
Gene No.	2708	Strand	-
Start	1	End	351
Name	OJ990713_09.9A03.C11.o1.gp	Method	AAT/GAP
Start	67	End	199
GI	16416_1.R1084	Score	219
Exons	67..199		

GI Descrip. '2230757/emb|CAA72705| 7.0e-70 (Y11969) dnaJ-like protein
[Arabidopsis thaliana]'

Seq. No.	1317	Seq. ID	OJ990713_09.9A03.C12
Gene No.	2709	Strand	+
Start	128	End	287
Name	OJ990713_09.9A03.C12.o1.gs	Method	GENSCAN
Start	128	End	287
GI	none	Score	.9
Exons	128..287		

Seq. No.	1318	Seq. ID	OJ990713_09.9A03.C13
Gene No.	2710	Strand	-
Start	1	End	431
Name	OJ990713_09.9A03.C13.o1.gp	Method	AAT/GAP
Start	1	End	431
GI	19315_1.R1084	Score	810
Exons	1..431		

GI Descrip. '4530509/gb|AAD22071.1| 2.0e-11 (AF124748) putative RNA-binding
protein [Larix laricina]'

Seq. No.	1319	Seq. ID	OJ990903_02.9A27.C1
Gene No.	2711	Strand	+
Start	473	End	6423
Name	OJ990903_02.9A27.C1.o1.gs	Method	GENSCAN
Start	473	End	6423
GI	none	Score	.67
Exons	473..536, 3560..3651, 4238..4313, 4889..4992, 5626..5739, 5842..6423		

Seq. No.	1319	Seq. ID	OJ990903_02.9A27.C1
Gene No.	2712	Strand	+
Start	11180	End	11494
Name	OJ990903_02.9A27.C1.o2.gp	Method	AAT/GAP
Start	11180	End	11494
GI	72524_1.R1084	Score	406
Exons	11180..11494		

GI Descrip. '5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic
DNA, chromosome 6, clone P0680A03, complete sequence'

Seq. No.	1319	Seq. ID	OJ990903_02.9A27.C1
Gene No.	2713	Strand	-
Start	1031	End	17742
Name	OJ990903_02.9A27.C1.o1.np	Method	AAT/NAP
Start	1031	End	17742
GI	6630685	Score	118
Exons	1031..1168, 2763..2855, 13867..14012, 17711..17742		

GI Descrip. (AP000969) Similar to copia-type pol polyprotein. (AF105716)
[Oryza sativa]

Seq. No.	1319	Seq. ID	OJ990903_02.9A27.C1
Gene No.	2713	Strand	-
Start	1031	End	17742
Name	OJ990903_02.9A27.C1.o2.np	Method	AAT/NAP
Start	6057	End	16217
GI	5091513	Score	1400
Exons	6057..6282, 8411..8627, 12866..13144, 14009..14082,		

14157..14770, 15425..16217
GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. No.	1319	Seq. ID	OJ990903_02.9A27.C1
Gene No.	2713	Strand	-
Start	1031	End	17742
Name	OJ990903_02.9A27.C1.o2.tm	Method	TBLASTX:Maize
Start	6127	End	6516
GI	none	Score	39
Exons	6127..6189, 6220..6516, 6236..6409, 6277..6516		

Seq. No.	1319	Seq. ID	OJ990903_02.9A27.C1
Gene No.	2713	Strand	-
Start	1031	End	17742
Name	OJ990903_02.9A27.C1.o1.gp	Method	AAT/GAP
Start	8145	End	8834
GI	799_1.R1084	Score	559
Exons	8145..8369, 8469..8511, 8600..8707, 8802..8834		
GI Descrip.	'1172816/sp P42795 R111 ARATH 1.0e-84 60S RIBOSOMAL PROTEIN L11A (L16A) >gi_624938_emb_CAA57395_ (X81799) ribosomal protein L16 [Arabidopsis thaliana]'		

Seq. No.	1319	Seq. ID	OJ990903_02.9A27.C1
Gene No.	2713	Strand	-
Start	1031	End	17742
Name	OJ990903_02.9A27.C1.o1.tc	Method	TBLASTX:Cress
Start	8164	End	8708
GI	none	Score	193
Exons	8164..8367, 8165..8380, 8170..8382, 8464..8514, 8467..8529, 8597..8707, 8604..8708		

Seq. No.	1319	Seq. ID	OJ990903_02.9A27.C1
Gene No.	2713	Strand	-
Start	1031	End	17742
Name	OJ990903_02.9A27.C1.o1.tm	Method	TBLASTX:Maize
Start	8164	End	8716
GI	none	Score	99
Exons	8164..8367, 8165..8224, 8291..8371, 8464..8514, 8465..8512, 8467..8514, 8597..8716, 8607..8687		

Seq. No.	1319	Seq. ID	OJ990903_02.9A27.C1
Gene No.	2713	Strand	-
Start	1031	End	17742
Name	OJ990903_02.9A27.C1.o1.ts	Method	TBLASTX:Soybean
Start	8164	End	8741
GI	none	Score	181
Exons	8164..8367, 8165..8371, 8464..8514, 8465..8512, 8597..8707, 8604..8741		

Seq. No.	1319	Seq. ID	OJ990903_02.9A27.C1
Gene No.	2713	Strand	-
Start	1031	End	17742
Name	OJ990903_02.9A27.C1.o1.tw	Method	TBLASTX:Wheat
Start	8164	End	8710
GI	none	Score	211
Exons	8164..8367, 8165..8371, 8170..8379, 8464..8514, 8465..8512, 8597..8710, 8604..8702		

Seq. No.	1319	Seq. ID	OJ990903_02.9A27.C1
Gene No.	2713	Strand	-
Start	1031	End	17742
Name	OJ990903_02.9A27.C1.o2.gs	Method	GENSCAN
Start	8170	End	8804
GI	none	Score	.98
Exons	8170..8369, 8469..8511, 8600..8707, 8724..8804		

Seq. No.	1319	Seq. ID	OJ990903_02.9A27.C1
Gene No.	2713	Strand	-
Start	1031	End	17742
Name	OJ990903_02.9A27.C1.o3.gs	Method	GENSCAN
Start	12885	End	16840
GI	none	Score	.65
Exons	12885..12991, 13056..13184, 13186..13432, 13556..13667, 13687..13987, 14012..14150, 14236..14734, 15433..16091, 16382..16506, 16780..16840		

Seq. No.	1319	Seq. ID	OJ990903_02.9A27.C1
Gene No.	2713	Strand	-
Start	1031	End	17742
Name	OJ990903_02.9A27.C1.o3.gp	Method	AAT/GAP
Start	16920	End	17234
GI	72524_1.R1084	Score	404
Exons	16920..17234		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	1320	Seq. ID	OJ990903_02.9A27.C2
Gene No.	2714	Strand	-
Start	1	End	949
Name	OJ990903_02.9A27.C2.o1.np	Method	AAT/NAP
Start	1	End	949
GI	5091513	Score	866
Exons	1..720, 922..949		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	1320	Seq. ID	OJ990903_02.9A27.C2
Gene No.	2714	Strand	-
Start	1	End	949
Name	OJ990903_02.9A27.C2.o1.gs	Method	GENSCAN
Start	7	End	681
GI	none	Score	.65
Exons	7..681		

Seq. No.	1321	Seq. ID	OJ990903_02.9A27.C3
Gene No.	2715	Strand	+
Start	1	End	601
Name	OJ990903_02.9A27.C3.o1.np	Method	AAT/NAP
Start	1	End	601
GI	6907087	Score	353
Exons	1..261, 308..601		
GI Descrip.	(AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1322	Seq. ID	OJ990903_02.9A27.C4
Gene No.	2716	Strand	+
Start	44	End	99
Name	OJ990903_02.9A27.C4.o1.gs	Method	GENSCAN
Start	44	End	99
GI	none	Score	.8
Exons	44..99		
Seq. No.	1323	Seq. ID	OJ990903_02.9A27.C7
Gene No.	2717	Strand	+
Start	295	End	480
Name	OJ990903_02.9A27.C7.o1.gp	Method	AAT/GAP
Start	295	End	480
GI	uC-osflcyp033a04b1	Score	348
Exons	295..480		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	1323	Seq. ID	OJ990903_02.9A27.C7
Gene No.	2718	Strand	-
Start	223	End	480
Name	OJ990903_02.9A27.C7.o1.np	Method	AAT/NAP
Start	223	End	480
GI	4680186	Score	228
Exons	223..480		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	1324	Seq. ID	OJ990903_02.9A27.C12
Gene No.	2719	Strand	+
Start	89	End	122
Name	OJ990903_02.9A27.C12.o1.gs	Method	GENSCAN
Start	89	End	122
GI	none	Score	.95
Exons	89..122		
Seq. No.	1324	Seq. ID	OJ990903_02.9A27.C12
Gene No.	2720	Strand	+
Start	260	End	323
Name	OJ990903_02.9A27.C12.o1.gp	Method	AAT/GAP
Start	260	End	323
GI	2428308	Score	120
Exons	260..323		
GI Descrip.	4521194/dbj AB013613.1 AB013613 3.0e-14 Oryza sativa DNA, centromere sequence RCB11		
Seq. No.	1325	Seq. ID	OJ990903_02.9A27.C15
Gene No.	2721	Strand	-
Start	178	End	659
Name	OJ990903_02.9A27.C15.o1.gs	Method	GENSCAN
Start	178	End	659
GI	none	Score	.69
Exons	178..336, 585..659		
Seq. No.	1326	Seq. ID	OJ990903_02.9A27.C17
Gene No.	2722	Strand	+
Start	842	End	957
Name	OJ990903_02.9A27.C17.o1.gs	Method	GENSCAN

Start 842
GI none
Exons 842..957

End 957
Score .42

Seq. No. 1327
Gene No. 2723
Start 1
Name OJ990903_02.9A27.C18.o1.gp
Start 1
GI 2428924
Exons 1..181, 741..806
GI Descrip. 5852170/emb|AL117265.1|OST17804 1.0e-50 *Oryza sativa*
indica (GLA4) genomic DNA, chromosome 4, BAC clone:tl7804

Seq. ID OJ990903_02.9A27.C18
Strand +
End 2103
Method AAT/GAP
End 806
Score 414

Seq. No. 1327
Gene No. 2723
Start 1
Name OJ990903_02.9A27.C18.o1.gs
Start 250
GI none
Exons 250..483, 741..810, 2075..2103

Seq. ID OJ990903_02.9A27.C18
Strand +
End 2103
Method GENSCAN
End 2103
Score .74

Seq. No. 1327
Gene No. 2724
Start 1
Name OJ990903_02.9A27.C18.o1.np
Start 1
GI 5852180
Exons 1..336, 388..505, 1498..1547
GI Descrip. (AL117265) zhb00010.1 [*Oryza sativa*]

Seq. ID OJ990903_02.9A27.C18
Strand -
End 1547
Method AAT/NAP
End 1547
Score 523

Seq. No. 1328
Gene No. 2725
Start 1
Name OJ990903_02.9A27.C19.o1.np
Start 1
GI 1399945
Exons 1..41, 878..934, 1196..1345, 2131..2166
GI Descrip. (U60194) RNA helicase GLH-2 [*Caenorhabditis elegans*] gi|1405387
(U60449) GLH-2 [*Caenorhabditis elegans*]

Seq. ID OJ990903_02.9A27.C19
Strand +
End 2166
Method AAT/NAP
End 2166
Score 59

Seq. No. 1328
Gene No. 2725
Start 1
Name OJ990903_02.9A27.C19.o1.gs
Start 213
GI none
Exons 213..640, 700..1384

Seq. ID OJ990903_02.9A27.C19
Strand +
End 2166
Method GENSCAN
End 1384
Score .85

Seq. No. 1329
Gene No. 2726
Start 45
Name OJ990903_02.9A27.C21.o1.gs
Start 45
GI none
Exons 45..151

Seq. ID OJ990903_02.9A27.C21
Strand +
End 151
Method GENSCAN
End 151
Score .86

Seq. No.	1329	Seq. ID	OJ990903_02.9A27.C21
Gene No.	2727	Strand	-
Start	44	End	145
Name	OJ990903_02.9A27.C21.o1.np	Method	AAT/NAP
Start	44	End	145
GI	6907087	Score	124
Exons	44..145		
GI Descrip.	(AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1330	Seq. ID	OJ990903_02.9A27.C24
Gene No.	2728	Strand	+
Start	11324	End	16860
Name	OJ990903_02.9A27.C24.o3.np	Method	AAT/NAP
Start	11321	End	16860
GI	3176691	Score	405
Exons	11321..11408, 12183..12365, 12843..13013, 13325..13565, 14643..14744, 14995..15224, 16810..16860		
GI Descrip.	(AC003671) Contains homology to serine/threonine protein kinase gb X99618 from Mycobacterium tuberculosis. ESTs gb F14403, gb F14404, and gb N96730 come from this gene. [Arabidopsis thaliana]		

Seq. No.	1330	Seq. ID	OJ990903_02.9A27.C24
Gene No.	2728	Strand	+
Start	11324	End	16860
Name	OJ990903_02.9A27.C24.o3.gs	Method	GENSCAN
Start	11324	End	16749
GI	none	Score	.79
Exons	11324..11408, 11536..11640, 12189..12365, 12843..13013, 13325..13534, 14643..14728, 14988..15628, 16581..16749		

Seq. No.	1330	Seq. ID	OJ990903_02.9A27.C24
Gene No.	2728	Strand	+
Start	11324	End	16860
Name	OJ990903_02.9A27.C24.o1.gp	Method	AAT/GAP
Start	12899	End	13527
GI	uC-osflcyp107d01b1	Score	584
Exons	12899..13013, 13325..13527		
GI Descrip.	'576771/gb U16256 OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence'		

Seq. No.	1330	Seq. ID	OJ990903_02.9A27.C24
Gene No.	2729	Strand	-
Start	1	End	2764
Name	OJ990903_02.9A27.C24.o1.np	Method	AAT/NAP
Start	1	End	2049
GI	4538896	Score	1205
Exons	1..923, 985..1505, 1614..2049		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	1330	Seq. ID	OJ990903_02.9A27.C24
Gene No.	2729	Strand	-
Start	1	End	2764
Name	OJ990903_02.9A27.C24.o1.gs	Method	GENSCAN
Start	911	End	2764

GI	none	Score	.61
Exons	911..1570, 1927..2018, 2323..2764		
Seq. No.	1330	Seq. ID	OJ990903_02.9A27.C24
Gene No.	2730	Strand	-
Start	4878	End	5322
Name	OJ990903_02.9A27.C24.o2.np	Method	AAT/NAP
Start	4878	End	5322
GI	4959635	Score	201
Exons	4878..5322		
GI Descrip.	(AF084445) calmodulin mutant SYNCAM17 [synthetic construct]		

Seq. No.	1330	Seq. ID	OJ990903_02.9A27.C24
Gene No.	2731	Strand	-
Start	18378	End	18538
Name	OJ990903_02.9A27.C24.o1.tm	Method	TBLASTX:Maize
Start	700	End	1093
GI	none	Score	90
Exons	700..777, 784..906, 920..1093, 921..1067		

Seq. No.	1330	Seq. ID	OJ990903_02.9A27.C24
Gene No.	2731	Strand	-
Start	18378	End	18538
Name	OJ990903_02.9A27.C24.o4.tm	Method	TBLASTX:Maize
Start	1094	End	1315
GI	none	Score	78
Exons	1094..1315, 1127..1294, 1128..1295		

Seq. No.	1330	Seq. ID	OJ990903_02.9A27.C24
Gene No.	2731	Strand	-
Start	18378	End	18538
Name	OJ990903_02.9A27.C24.o1.ts	Method	TBLASTX:Soybean
Start	12842	End	13018
GI	none	Score	250
Exons	12842..12946, 12844..13017, 12845..13018		

Seq. No.	1330	Seq. ID	OJ990903_02.9A27.C24
Gene No.	2731	Strand	-
Start	18378	End	18538
Name	OJ990903_02.9A27.C24.o3.tm	Method	TBLASTX:Maize
Start	12844	End	13521
GI	none	Score	172
Exons	12844..13017, 12845..13018, 13311..13502, 13321..13521, 13323..13454, 13324..13512		

Seq. No.	1330	Seq. ID	OJ990903_02.9A27.C24
Gene No.	2731	Strand	-
Start	18378	End	18538
Name	OJ990903_02.9A27.C24.o1.tw	Method	TBLASTX:Wheat
Start	13323	End	13535
GI	none	Score	78
Exons	13323..13412, 13323..13535, 13324..13512		

Seq. No.	1330	Seq. ID	OJ990903_02.9A27.C24
Gene No.	2731	Strand	-
Start	18378	End	18538
Name	OJ990903_02.9A27.C24.o2.ts	Method	TBLASTX:Soybean

Start	13350	End	14712
GI	none	Score	89
Exons	13350..13481, 13350..13502, 13351..13533, 13351..13512, 14638..14712, 14639..14710		

Seq. No.	1330	Seq. ID	OJ990903_02.9A27.C24
Gene No.	2731	Strand	-
Start	18378	End	18538
Name	OJ990903_02.9A27.C24.o2.tm	Method	TBLASTX:Maize
Start	15369	End	15642
GI	none	Score	111
Exons	15369..15455, 15369..15434, 15376..15435, 15450..15473, 15486..15590, 15494..15586, 15594..15635, 15601..15642		

Seq. No.	1330	Seq. ID	OJ990903_02.9A27.C24
Gene No.	2731	Strand	-
Start	18378	End	18538
Name	OJ990903_02.9A27.C24.o4.gs	Method	GENSCAN
Start	18378	End	18538
GI	none	Score	.54
Exons	18378..18538		

Seq. No.	1331	Seq. ID	OJ990903_02.9A27.C26
Gene No.	2732	Strand	+
Start	7215	End	9401
Name	OJ990903_02.9A27.C26.o3.gs	Method	GENSCAN
Start	7215	End	9401
GI	none	Score	1
Exons	7215..9401		

Seq. No.	1331	Seq. ID	OJ990903_02.9A27.C26
Gene No.	2732	Strand	+
Start	7215	End	9401
Name	OJ990903_02.9A27.C26.o1.np	Method	AAT/NAP
Start	7242	End	9275
GI	2558938	Score	987
Exons	7242..9275		
GI Descrip.	(AF024625) arm repeat containing protein [Brassica napus]		

Seq. No.	1331	Seq. ID	OJ990903_02.9A27.C26
Gene No.	2732	Strand	+
Start	7215	End	9401
Name	OJ990903_02.9A27.C26.o1.gp	Method	AAT/GAP
Start	8767	End	9224
GI	3768302	Score	884
Exons	8767..9224		
GI Descrip.	2558938 1.0e-25 (AF024625) arm repeat containing protein [Brassica napus]		

Seq. No.	1331	Seq. ID	OJ990903_02.9A27.C26
Gene No.	2733	Strand	-
Start	3391	End	5480
Name	OJ990903_02.9A27.C26.o2.gs	Method	GENSCAN
Start	3391	End	5480
GI	none	Score	.64
Exons	3391..3423, 4759..4869, 4931..5033, 5344..5480		

Seq. No.	1331	Seq. ID	OJ990903_02.9A27.C26
Gene No.	2734	Strand	-
Start	9370	End	9760
Name	OJ990903_02.9A27.C26.o2.gp	Method	AAT/GAP
Start	9370	End	9760
GI	uC-osflm202084a07a1	Score	782
Exons	9370..9760		
GI Descrip.	'2558938 1.0e-25 (AF024625) arm repeat containing protein [Brassica napus]'		

Seq. No.	1331	Seq. ID	OJ990903_02.9A27.C26
Gene No.	2735	Strand	-
Start	9976	End	10402
Name	OJ990903_02.9A27.C26.o2.tm	Method	TBLASTX:Maize
Start	7710	End	8066
GI	none	Score	400
Exons	7710..8063, 7745..8059, 7779..8066		

Seq. No.	1331	Seq. ID	OJ990903_02.9A27.C26
Gene No.	2735	Strand	-
Start	9976	End	10402
Name	OJ990903_02.9A27.C26.o2.tc	Method	TBLASTX:Cress
Start	7866	End	8282
GI	none	Score	75
Exons	7866..7949, 8087..8278, 8088..8282		

Seq. No.	1331	Seq. ID	OJ990903_02.9A27.C26
Gene No.	2735	Strand	-
Start	9976	End	10402
Name	OJ990903_02.9A27.C26.o2.ts	Method	TBLASTX:Soybean
Start	7953	End	8321
GI	none	Score	298
Exons	7953..8303, 8084..8317, 8088..8321		

Seq. No.	1331	Seq. ID	OJ990903_02.9A27.C26
Gene No.	2735	Strand	-
Start	9976	End	10402
Name	OJ990903_02.9A27.C26.o1.tw	Method	TBLASTX:Wheat
Start	8085	End	8348
GI	none	Score	251
Exons	8085..8348, 8105..8344		

Seq. No.	1331	Seq. ID	OJ990903_02.9A27.C26
Gene No.	2735	Strand	-
Start	9976	End	10402
Name	OJ990903_02.9A27.C26.o4.tm	Method	TBLASTX:Maize
Start	8100	End	8375
GI	none	Score	258
Exons	8100..8375, 8105..8317		

Seq. No.	1331	Seq. ID	OJ990903_02.9A27.C26
Gene No.	2735	Strand	-
Start	9976	End	10402
Name	OJ990903_02.9A27.C26.o1.tc	Method	TBLASTX:Cress
Start	8283	End	8924
GI	none	Score	51
Exons	8283..8333, 8337..8576, 8387..8545, 8628..8777, 8637..8744,		

8819..8923, 8826..8924

Seq. No.	1331	Seq. ID	OJ990903_02.9A27.C26
Gene No.	2735	Strand	-
Start	9976	End	10402
Name	OJ990903_02.9A27.C26.o1.tm	Method	TBLASTX:Maize
Start	8477	End	9116
GI	none	Score	900
Exons	8477..9094, 8478..9092, 8919..9116		

Seq. No.	1331	Seq. ID	OJ990903_02.9A27.C26
Gene No.	2735	Strand	-
Start	9976	End	10402
Name	OJ990903_02.9A27.C26.o2.tw	Method	TBLASTX:Wheat
Start	8477	End	8933
GI	none	Score	189
Exons	8477..8662, 8478..8705, 8769..8933		

Seq. No.	1331	Seq. ID	OJ990903_02.9A27.C26
Gene No.	2735	Strand	-
Start	9976	End	10402
Name	OJ990903_02.9A27.C26.o1.ts	Method	TBLASTX:Soybean
Start	8492	End	9251
GI	none	Score	238
Exons	8492..8686, 8493..8720, 8529..8714, 8724..9251, 8781..9092, 8792..9241		

Seq. No.	1331	Seq. ID	OJ990903_02.9A27.C26
Gene No.	2735	Strand	-
Start	9976	End	10402
Name	OJ990903_02.9A27.C26.o3.tm	Method	TBLASTX:Maize
Start	9117	End	9341
GI	none	Score	200
Exons	9117..9254, 9119..9250, 9140..9256, 9240..9341, 9251..9340		

Seq. No.	1331	Seq. ID	OJ990903_02.9A27.C26
Gene No.	2735	Strand	-
Start	9976	End	10402
Name	OJ990903_02.9A27.C26.o4.gs	Method	GENSCAN
Start	9976	End	10402
GI	none	Score	.71
Exons	9976..10065, 10207..10304, 10345..10402		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2736	Strand	+
Start	38	End	1343
Name	OJ990903_02.9A27.C27.o1.gs	Method	GENSCAN
Start	38	End	1343
GI	none	Score	.77
Exons	38..112, 864..1343		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2737	Strand	+
Start	1330	End	9995
Name	OJ990903_02.9A27.C27.o1.np	Method	AAT/NAP
Start	1330	End	5413
GI	2864613	Score	903

Exons 1330..1394, 2373..2939, 2970..3214, 3362..4485, 5260..5413
 GI Descrip. (AL021811) S-receptor kinase -like protein [Arabidopsis thaliana] gi|4049333|emb|CAA22558.1| (AL034567) S-receptor kinase-like protein [Arabidopsis thaliana]

Seq. No. 1332 Seq. ID OJ990903_02.9A27.C27
 Gene No. 2737 Strand +
 Start 1330 End 9995
 Name OJ990903_02.9A27.C27.o2.np Method AAT/NAP
 Start 5124 End 9995
 GI 4539400 Score 1613
 Exons 5124..5320, 6209..6307, 6403..6564, 6702..6752, 7172..7306, 7577..7688, 8012..8137, 8240..8289, 8575..8733, 8818..8913, 8987..9102, 9221..9344, 9429..9542, 9659..9995
 GI Descrip. (AL035526) putative protein [Arabidopsis thaliana]

Seq. No. 1332 Seq. ID OJ990903_02.9A27.C27
 Gene No. 2737 Strand +
 Start 1330 End 9995
 Name OJ990903_02.9A27.C27.o1.gp Method AAT/GAP
 Start 6411 End 7635
 GI LIB3474-001-P1-K1-G12 Score 746
 Exons 6411..6564, 6702..6752, 7172..7306, 7397..7420, 7577..7635
 GI Descrip. '4539400/emb|CAB37466.1| 2.0e-35 (AL035526) putative protein [Arabidopsis thaliana]'

Seq. No. 1332 Seq. ID OJ990903_02.9A27.C27
 Gene No. 2738 Strand +
 Start 22506 End 28907
 Name OJ990903_02.9A27.C27.o5.gs Method GENSCAN
 Start 22506 End 28744
 GI none Score .72
 Exons 22506..22512, 25351..25427, 27310..27418, 27483..27791, 28602..28744

Seq. No. 1332 Seq. ID OJ990903_02.9A27.C27
 Gene No. 2738 Strand +
 Start 22506 End 28907
 Name OJ990903_02.9A27.C27.o6.gp Method AAT/GAP
 Start 26719 End 28907
 GI 23174_1.R1084 Score 1544
 Exons 26719..26849, 27310..27418, 27522..27791, 28602..28907
 GI Descrip. '3249086 3.0e-63 (AC004473) Contains similarity to 21 KD subunit of the Arp2/3 protein complex (ARC21) gb_AF006086 from Homo sapiens. EST gb_Z37222 comes [Arabidopsis thaliana]'

Seq. No. 1332 Seq. ID OJ990903_02.9A27.C27
 Gene No. 2738 Strand +
 Start 22506 End 28907
 Name OJ990903_02.9A27.C27.o5.np Method AAT/NAP
 Start 27272 End 28741
 GI 3249086 Score 697
 Exons 27272..27418, 27522..27791, 28556..28741
 GI Descrip. (AC004473) Contains similarity to 21 KD subunit of the Arp2/3 protein complex (ARC21) gb|AF006086 from Homo sapiens. EST gb|Z37222 comes [Arabidopsis thaliana]

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o4.np	Method	AAT/NAP
Start	1	End	20735
GI	5734709	Score	70
Exons	1..56, 5128..5225, 5326..5364, 18220..18572, 20639..20735		
GI Descrip.	(AC008075) Contains PF 00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o1.tc	Method	TBLASTX:Cress
Start	2401	End	4488
GI	none	Score	50
Exons	2401..2445, 2554..2676, 3637..3726, 3687..3719, 3739..3936, 3741..3905, 3942..4184, 3943..4185, 4191..4250, 4192..4263, 4381..4488		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o5.ts	Method	TBLASTX:Soybean
Start	2467	End	3114
GI	none	Score	207
Exons	2467..2655, 3049..3114		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o8.tm	Method	TBLASTX:Maize
Start	3025	End	3465
GI	none	Score	128
Exons	3025..3123, 3033..3122, 3154..3213, 3301..3357, 3340..3465		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o6.tm	Method	TBLASTX:Maize
Start	3625	End	3921
GI	none	Score	89
Exons	3625..3726, 3727..3921, 3777..3920		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o1.ts	Method	TBLASTX:Soybean
Start	3682	End	4350
GI	none	Score	76
Exons	3682..3732, 3687..3725, 3772..4182, 3825..4178, 4192..4350, 4194..4250		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o1.tw	Method	TBLASTX:Wheat

Start	3789	End	4194
GI	none	Score	301
Exons	3789..3911, 3790..4140, 3942..4109, 4144..4194		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o2.tm	Method	TBLASTX:Maize
Start	3981	End	4512
GI	none	Score	458
Exons	3981..4250, 3982..4350, 4160..4285, 4369..4512, 4374..4472, 4384..4494		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o4.tm	Method	TBLASTX:Maize
Start	6089	End	7423
GI	none	Score	43
Exons	6089..6118, 6091..6177, 6091..6123, 6101..6175, 6185..6310, 6186..6317, 6187..6306, 6215..6310, 6387..6566, 6397..6564, 6403..6570, 6685..6744, 6690..6755, 6691..6747, 7168..7305, 7172..7306, 7174..7305, 7375..7419, 7388..7423		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o1.tm	Method	TBLASTX:Maize
Start	7576	End	10097
GI	none	Score	110
Exons	7576..7692, 7577..7690, 8005..8160, 8009..8131, 8010..8141, 8011..8178, 8012..8176, 8238..8300, 8239..8289, 8572..8736, 8572..8733, 8574..8735, 8812..8916, 8817..8915, 8980..9111, 8986..9108, 8987..9121, 9180..9359, 9212..9349, 9213..9350, 9274..9366, 9417..9542, 9421..9528, 9422..9538, 9489..9533, 9657..9719, 9658..9747, 9659..9745, 9849..10097, 9852..10019		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o2.ts	Method	TBLASTX:Soybean
Start	8563	End	9505
GI	none	Score	229
Exons	8563..8730, 8572..8736, 8574..8735, 8812..8916, 8956..9108, 8969..9109, 8972..9121, 9179..9277, 9180..9275, 9257..9301, 9258..9302, 9294..9344, 9426..9503, 9428..9505		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o3.tc	Method	TBLASTX:Cress
Start	9497	End	9998
GI	none	Score	75
Exons	9497..9541, 9498..9542, 9658..9747, 9659..9745, 9851..9976, 9852..9998		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
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Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o6.ts	Method	TBLASTX:Soybean
Start	9713	End	9998
GI	none	Score	40
Exons	9713..9745, 9826..9939, 9849..9941, 9852..9998		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o3.gs	Method	GENSCAN
Start	11045	End	18301
GI	none	Score	.95
Exons	11045..11100, 11230..11397, 11464..11608, 14617..14781, 14875..14925, 15189..15362, 16116..16321, 16411..16540, 18060..18100, 18220..18301		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o2.gp	Method	AAT/GAP
Start	14291	End	16167
GI	1257_1.R1084	Score	1220
Exons	14291..14521, 14617..14781, 14875..14925, 15189..15362, 16116..16167		
GI Descrip.	'1173327/sp P43333 RU2A_ARATH 3.0e-19 U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A'' (U2 snRNP-A'') >gi_322619_pir_S30580 U2 snRNP protein A'' - Arabidopsis thaliana >gi_17669_emb_CAA48890_ (X69137) U2 small nuclear ribonucleoprotein A'' [Arabidopsis thaliana]'		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o5.tm	Method	TBLASTX:Maize
Start	14616	End	16284
GI	none	Score	62
Exons	14616..14666, 14629..14778, 14646..14783, 14669..14782, 14673..14783, 14729..14791, 14872..14928, 14872..14943, 15163..15264, 15181..15267, 15189..15266, 15274..15363, 15277..15303, 16102..16284, 16116..16265		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o3.np	Method	AAT/NAP
Start	14704	End	18301
GI	1173327	Score	748
Exons	14704..14781, 14875..14925, 15189..15362, 16116..16321, 16411..16540, 18060..18100, 18220..18301		
GI Descrip.	U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A' (U2 snRNP-A') gi 322619 pir S30580 U2 snRNP protein A' - Arabidopsis thaliana gi 17669 emb CAA48890 (X69137) U2 small nuclear ribonucleoprotein A' [Arabidopsis thaliana]		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-

Start	1	End	20735
Name	OJ990903_02.9A27.C27.o5.tc	Method	TBLASTX:Cress
Start	14704	End	18313
GI	none	Score	64
Exons	14704..14781, 14875..14943, 15180..15275, 15184..15258, 16093..16317, 16122..16262, 16412..16540, 16455..16556, 18058..18123, 18060..18107, 18218..18313, 18219..18302		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o3.gp	Method	AAT/GAP
Start	16101	End	16504
GI	LIB3433-013-Q6-K1-D12	Score	475
Exons	16101..16321, 16411..16504		
GI Descrip.	'1173327/sp P43333 RU2A ARATH 9.0e-19 U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A'' (U2 SNRNP-A'') >gi_322619_pir_S30580 U2 snRNP protein A'' - Arabidopsis thaliana >gi_17669_emb_CAA48890_ (X69137) U2 small nuclear ribonucleoprotein A'' [Arabidopsis thaliana]'		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o4.gp	Method	AAT/GAP
Start	16101	End	16495
GI	LIB3433-013-Q6-K1-D12	Score	457
Exons	16101..16321, 16411..16495		
GI Descrip.	'1173327/sp P43333 RU2A ARATH 9.0e-19 U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A'' (U2 SNRNP-A'') >gi_322619_pir_S30580 U2 snRNP protein A'' - Arabidopsis thaliana >gi_17669_emb_CAA48890_ (X69137) U2 small nuclear ribonucleoprotein A'' [Arabidopsis thaliana]'		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o4.ts	Method	TBLASTX:Soybean
Start	16221	End	18305
GI	none	Score	60
Exons	16221..16262, 16222..16272, 16282..16317, 16412..16540, 16461..16556, 18058..18123, 18060..18107, 18218..18301, 18219..18305		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o7.tm	Method	TBLASTX:Maize
Start	16412	End	18241
GI	none	Score	169
Exons	16412..16540, 16413..16550, 16414..16542, 18060..18107, 18218..18241		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2739	Strand	-
Start	1	End	20735
Name	OJ990903_02.9A27.C27.o5.gp	Method	AAT/GAP

Start	18032	End	18513
GI	5005008	Score	608
Exons	18032..18100, 18220..18513		
GI Descrip.	1173327/sp P43333 RU2A ARATH.9.0e-19 U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A' (U2 SNRNP-A') >gi_322619_pir__S30580 U2 snRNP protein A' - Arabidopsis thaliana >gi_17669_emb_CAA48890_ (X69137) U2 small nuclear ribonucleoprotein A' [Arabidopsis thaliana]		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2740	Strand	
Start	27277	End	28671
Name	OJ990903_02.9A27.C27.o3.ts	Method	TBLASTX:Soybean
Start	27277	End	27756
GI	none	Score	171
Exons	27277..27417, 27309..27422, 27520..27756, 27521..27718, 27630..27746		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2740	Strand	
Start	27277	End	28671
Name	OJ990903_02.9A27.C27.o3.tm	Method	TBLASTX:Maize
Start	27297	End	28671
GI	none	Score	162
Exons	27297..27413, 27298..27414, 27308..27424, 27310..27447, 27520..27789, 27521..27718, 27521..27790, 27532..27792, 27720..27791, 28591..28671, 28595..28669		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2740	Strand	
Start	27277	End	28671
Name	OJ990903_02.9A27.C27.o2.tc	Method	TBLASTX:Cress
Start	27309	End	27640
GI	none	Score	166
Exons	27309..27413, 27310..27417, 27520..27636, 27521..27640		

Seq. No.	1332	Seq. ID	OJ990903_02.9A27.C27
Gene No.	2741	Strand	
Start	28591	End	28744
Name	OJ990903_02.9A27.C27.o4.tc	Method	TBLASTX:Cress
Start	28591	End	28744
GI	none	Score	232
Exons	28591..28740, 28595..28744		

Seq. No.	1333	Seq. ID	OJ990903_02.9A27.C28
Gene No.	2742	Strand	+
Start	1936	End	9153
Name	OJ990903_02.9A27.C28.o1.gs	Method	GENSCAN
Start	1936	End	8718
GI	none	Score	.63
Exons	1936..2120, 2524..2563, 3320..3544, 5360..5821, 6105..6133, 7271..7378, 7869..8028, 8092..8718		

Seq. No.	1333	Seq. ID	OJ990903_02.9A27.C28
Gene No.	2742	Strand	+
Start	1936	End	9153
Name	OJ990903_02.9A27.C28.o1.gp	Method	AAT/GAP

Start	7487	End	7872
GI	uC-osflcyp003g09b1	Score	696
Exons	7487..7872		
GI Descrip.	'100726/pir S22377 8.0e-15 aspartate transaminase (EC 2.6.1.1) AAT1 precursor - proso millet >gi_20597_emb_CAA45022_ (X63428) aspartate aminotransferase [Panicum miliaceum]'		

Seq. No.	1333	Seq. ID	OJ990903_02.9A27.C28
Gene No.	2742	Strand	+
Start	1936	End	9153
Name	OJ990903_02.9A27.C28.o1.np	Method	AAT/NAP
Start	8378	End	9153
GI	6630699	Score	97
Exons	8378..8601, 9065..9153		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	1333	Seq. ID	OJ990903_02.9A27.C28
Gene No.	2743	Strand	+
Start	12773	End	13225
Name	OJ990903_02.9A27.C28.o3.np	Method	AAT/NAP
Start	12773	End	13225
GI	6539570	Score	131
Exons	12773..12976, 13152..13225		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	1333	Seq. ID	OJ990903_02.9A27.C28
Gene No.	2744	Strand	-
Start	9021	End	12972
Name	OJ990903_02.9A27.C28.o2.gs	Method	GENSCAN
Start	9021	End	12972
GI	none	Score	.48
Exons	9021..9147, 10072..10186, 10432..10561, 10593..10761, 11035..11157, 12248..12272, 12311..12503, 12556..12639, 12791..12972		

Seq. No.	1333	Seq. ID	OJ990903_02.9A27.C28
Gene No.	2744	Strand	-
Start	9021	End	12972
Name	OJ990903_02.9A27.C28.o2.np	Method	AAT/NAP
Start	9293	End	12507
GI	5922620	Score	593
Exons	9293..9423, 10792..11157, 11497..11530, 12248..12272, 12318..12428, 12469..12507		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1334	Seq. ID	OJ990903_02.9A27.C29
Gene No.	2745	Strand	-
Start	2408	End	2554
Name	OJ990903_02.9A27.C29.o1.gs	Method	GENSCAN
Start	2408	End	2554
GI	none	Score	.72

Exons 2408..2554

Seq. No.	1335	Seq. ID	OJ990903_02.9A27.C30
Gene No.	2746	Strand	-
Start	788	End	1246
Name	OJ990903_02.9A27.C30.ol.gs	Method	GENSCAN
Start	788	End	1246
GI	none	Score	.51
Exons	788..924, 1237..1246		

Seq. No.	1336	Seq. ID	OJ990903_02.9A27.C33
Gene No.	2747	Strand	+
Start	335	End	651
Name	OJ990903_02.9A27.C33.ol.gs	Method	GENSCAN
Start	335	End	529
GI	none	Score	.8
Exons	335..529		

Seq. No.	1336	Seq. ID	OJ990903_02.9A27.C33
Gene No.	2747	Strand	+
Start	335	End	651
Name	OJ990903_02.9A27.C33.ol.np	Method	AAT/NAP
Start	337	End	651
GI	5852181	Score	132
Exons	337..651		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	1337	Seq. ID	OJ990903_02.9A27.C34
Gene No.	2748	Strand	+
Start	1	End	824
Name	OJ990903_02.9A27.C34.ol.np	Method	AAT/NAP
Start	1	End	824
GI	5091513	Score	869
Exons	1..824		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	1337	Seq. ID	OJ990903_02.9A27.C34
Gene No.	2748	Strand	+
Start	1	End	824
Name	OJ990903_02.9A27.C34.ol.gs	Method	GENSCAN
Start	55	End	656
GI	none	Score	1
Exons	55..656		

Seq. No.	1338	Seq. ID	OJ990903_02.9A27.C35
Gene No.	2749	Strand	+
Start	1	End	712
Name	OJ990903_02.9A27.C35.ol.np	Method	AAT/NAP
Start	1	End	712
GI	5091513	Score	863
Exons	1..712		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	1338	Seq. ID	OJ990903_02.9A27.C35
Gene No.	2749	Strand	+
Start	1	End	712
Name	OJ990903_02.9A27.C35.ol.gs	Method	GENSCAN

Start	46	End	531
GI	none	Score	.98
Exons	46..531		
Seq. No.	1339	Seq. ID	OJ990903_02.9A27.C36
Gene No.	2750	Strand	+
Start	121	End	247
Name	OJ990903_02.9A27.C36.o1.gs	Method	GENSCAN
Start	121	End	247
GI	none	Score	.95
Exons	121..247		

Seq. No.	1339	Seq. ID	OJ990903_02.9A27.C36
Gene No.	2751	Strand	-
Start	115	End	581
Name	OJ990903_02.9A27.C36.o1.np	Method	AAT/NAP
Start	115	End	581
GI	6630699	Score	98
Exons	115..207, 445..581		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	1340	Seq. ID	OJ990703_53.9B01.C1
Gene No.	2752	Strand	
Start	23	End	336
Name	OJ990703_53.9B01.C1.o1.tm	Method	TBLASTX:Maize
Start	23	End	336
GI	none	Score	74
Exons	23..100, 89..169, 164..262, 178..336		

Seq. No.	1341	Seq. ID	OJ990703_53.9B01.C2
Gene No.	2753	Strand	-
Start	1	End	253
Name	OJ990703_53.9B01.C2.o1.gp	Method	AAT/GAP
Start	1	End	253
GI	2428323	Score	420
Exons	1..253		
GI Descrip.	5803242/dbj AP000399.1 AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	1341	Seq. ID	OJ990703_53.9B01.C2
Gene No.	2754	Strand	-
Start	415	End	17534
Name	OJ990703_53.9B01.C2.o1.gs	Method	GENSCAN
Start	415	End	4080
GI	none	Score	1
Exons	415..4080		

Seq. No.	1341	Seq. ID	OJ990703_53.9B01.C2
Gene No.	2754	Strand	-
Start	415	End	17534
Name	OJ990703_53.9B01.C2.o1.np	Method	AAT/NAP
Start	418	End	6063
GI	6498441	Score	6769
Exons	418..699, 793..2190, 2362..2763, 2956..3277, 3452..3586, 3770..4143, 4207..4669, 5000..6063		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	1341	Seq. ID	OJ990703_53.9B01.C2
Gene No.	2754	Strand	-
Start	415	End	17534
Name	OJ990703_53.9B01.C2.o7.tw	Method	TBLASTX:Wheat
Start	427	End	1029
GI	none	Score	75
Exons	427..552, 431..553, 739..1029, 746..1024		

Seq. No.	1341	Seq. ID	OJ990703_53.9B01.C2
Gene No.	2754	Strand	-
Start	415	End	17534
Name	OJ990703_53.9B01.C2.o3.tw	Method	TBLASTX:Wheat
Start	1030	End	1411
GI	none	Score	171
Exons	1030..1410, 1061..1309, 1355..1411		

Seq. No.	1341	Seq. ID	OJ990703_53.9B01.C2
Gene No.	2754	Strand	-
Start	415	End	17534
Name	OJ990703_53.9B01.C2.o3.tm	Method	TBLASTX:Maize
Start	1225	End	1539
GI	none	Score	192
Exons	1225..1539, 1238..1504		

Seq. No.	1341	Seq. ID	OJ990703_53.9B01.C2
Gene No.	2754	Strand	-
Start	415	End	17534
Name	OJ990703_53.9B01.C2.o8.tw	Method	TBLASTX:Wheat
Start	1741	End	2053
GI	none	Score	60
Exons	1741..2001, 1955..2053		

Seq. No.	1341	Seq. ID	OJ990703_53.9B01.C2
Gene No.	2754	Strand	-
Start	415	End	17534
Name	OJ990703_53.9B01.C2.o5.tw	Method	TBLASTX:Wheat
Start	2056	End	2514
GI	none	Score	71
Exons	2056..2205, 2057..2194, 2059..2196, 2252..2425, 2266..2514, 2266..2490		

Seq. No.	1341	Seq. ID	OJ990703_53.9B01.C2
Gene No.	2754	Strand	-
Start	415	End	17534
Name	OJ990703_53.9B01.C2.o1.ts	Method	TBLASTX:Soybean
Start	3115	End	3486
GI	none	Score	90
Exons	3115..3486, 3326..3469		

Seq. No.	1341	Seq. ID	OJ990703_53.9B01.C2
Gene No.	2754	Strand	-
Start	415	End	17534
Name	OJ990703_53.9B01.C2.o2.tw	Method	TBLASTX:Wheat

Start 3140
 GI none
 Exons 3140..3565, 3145..3564

End 3565
 Score 317

Seq. No. 1341
 Gene No. 2754
 Start 415
 Name OJ990703_53.9B01.C2.o2.tm
 Start 3238
 GI none
 Exons 3238..3621, 3257..3622

Seq. ID OJ990703_53.9B01.C2
 Strand -
 End 17534
 Method TBLASTX:Maize
 End 3622
 Score 226

Seq. No. 1341
 Gene No. 2754
 Start 415
 Name OJ990703_53.9B01.C2.o1.tm
 Start 3649
 GI none
 Exons 3649...3765, 3649..4005, 3659..3970

Seq. ID OJ990703_53.9B01.C2
 Strand -
 End 17534
 Method TBLASTX:Maize
 End 4005
 Score 69

Seq. No. 1341
 Gene No. 2754
 Start 415
 Name OJ990703_53.9B01.C2.o1.tw
 Start 3673
 GI none
 Exons 3673..4134, 3680..4135, 3693..4136

Seq. ID OJ990703_53.9B01.C2
 Strand -
 End 17534
 Method TBLASTX:Wheat
 End 4136
 Score 382

Seq. No. 1341
 Gene No. 2754
 Start 415
 Name OJ990703_53.9B01.C2.o2.ts
 Start 3730
 GI none
 Exons 3730..3864, 3871..4095

Seq. ID OJ990703_53.9B01.C2
 Strand -
 End 17534
 Method TBLASTX:Soybean
 End 4095
 Score 117

Seq. No. 1341
 Gene No. 2754
 Start 415
 Name OJ990703_53.9B01.C2.o2.gs
 Start 4144
 GI none
 Exons 4144..4646, 4694..5654, 5760..6587, 6643..6769, 7138..7236, 7796..8139, 9531..9651, 10607..10689, 10783..11086, 11257..11402, 12958..13092, 14455..14699, 15056..15317

Seq. ID OJ990703_53.9B01.C2
 Strand -
 End 17534
 Method GENSCAN
 End 15317
 Score .62

Seq. No. 1341
 Gene No. 2754
 Start 415
 Name OJ990703_53.9B01.C2.o4.tw
 Start 4327
 GI none
 Exons 4327..4650, 4331..4591, 4653..4784, 4654..4785

Seq. ID OJ990703_53.9B01.C2
 Strand -
 End 17534
 Method TBLASTX:Wheat
 End 4785
 Score 175

Seq. No. 1341
 Gene No. 2754
 Start 415

Seq. ID OJ990703_53.9B01.C2
 Strand -
 End 17534

Name	OJ990703_53.9B01.C2.o6.tw	Method	TBLASTX:Wheat
Start	5523	End	5915
GI	none	Score	95
Exons	5523..5780, 5557..5796, 5763..5861, 5764..5856, 5868..5915		

Seq. No.	1341	Seq. ID	OJ990703_53.9B01.C2
Gene No.	2754	Strand	-
Start	415	End	17534
Name	OJ990703_53.9B01.C2.o4.tm	Method	TBLASTX:Maize
Start	5625	End	5910
GI	none	Score	107
Exons	5625..5873, 5626..5910		

Seq. No.	1341	Seq. ID	OJ990703_53.9B01.C2
Gene No.	2754	Strand	-
Start	415	End	17534
Name	OJ990703_53.9B01.C2.o2.np	Method	AAT/NAP
Start	6227	End	8076
GI	5042448	Score	340
Exons	6227..6336, 7734..8076		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	1341	Seq. ID	OJ990703_53.9B01.C2
Gene No.	2754	Strand	-
Start	415	End	17534
Name	OJ990703_53.9B01.C2.o3.np	Method	AAT/NAP
Start	9276	End	17534
GI	119714	Score	255
Exons	9276..9419, 10478..11174, 11271..11383, 14702..14973, 15039..15623, 17485..17534		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi 82169 pir S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi 19867 emb CAA32090 (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	1342	Seq. ID	OJ990703_53.9B01.C3
Gene No.	2755	Strand	-
Start	3496	End	11713
Name	OJ990703_53.9B01.C3.o2.gs	Method	GENSCAN
Start	3496	End	11314
GI	none	Score	.58
Exons	3496..3681, 3935..4013, 4101..4211, 4628..5019, 5024..5151, 5717..5826, 6181..6259, 6471..7479, 7642..8310, 8396..8647, 9260..9778, 10634..10888, 10928..11314		

Seq. No.	1342	Seq. ID	OJ990703_53.9B01.C3
Gene No.	2755	Strand	-
Start	3496	End	11713
Name	OJ990703_53.9B01.C3.o2.np	Method	AAT/NAP
Start	9322	End	11713
GI	4680203	Score	564
Exons	9322..9406, 10585..11326, 11604..11713		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	1342	Seq. ID	OJ990703_53.9B01.C3
Gene No.	2755	Strand	-

Start	3496	End	11713
Name	OJ990703_53.9B01.C3.o1.tw	Method	TBLASTX:Wheat
Start	10515	End	11711
GI	none	Score	78
Exons	10515..10574, 10586..10690, 10593..10685, 10703..10807, 10721..10777, 10796..10951, 10812..10985, 11006..11599, 11190..11498, 11565..11711		

Seq. No.	1342	Seq. ID	OJ990703_53.9B01.C3
Gene No.	2755	Strand	-
Start	3496	End	11713
Name	OJ990703_53.9B01.C3.o2.tm	Method	TBLASTX:Maize
Start	10815	End	11110
GI	none	Score	81
Exons	10815..10928, 10817..10936, 10940..11110		

Seq. No.	1342	Seq. ID	OJ990703_53.9B01.C3
Gene No.	2755	Strand	-
Start	3496	End	11713
Name	OJ990703_53.9B01.C3.o1.tc	Method	TBLASTX:Cress
Start	11006	End	11429
GI	none	Score	118
Exons	11006..11428, 11190..11429		

Seq. No.	1342	Seq. ID	OJ990703_53.9B01.C3
Gene No.	2755	Strand	-
Start	3496	End	11713
Name	OJ990703_53.9B01.C3.o1.tm	Method	TBLASTX:Maize
Start	11360	End	11708
GI	none	Score	187
Exons	11360..11572, 11364..11573, 11560..11676, 11565..11675, 11676..11708		

Seq. No.	1342	Seq. ID	OJ990703_53.9B01.C3
Gene No.	2755	Strand	-
Start	3496	End	11713
Name	OJ990703_53.9B01.C3.o3.np	Method	AAT/NAP
Start	11369	End	11713
GI	100484	Score	195
Exons	11369..11713		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	1343	Seq. ID	OJ990703_53.9B01.C7
Gene No.	2756	Strand	-
Start	1	End	2190
Name	OJ990703_53.9B01.C7.o1.np	Method	AAT/NAP
Start	1	End	2190
GI	4689223	Score	620
Exons	1..1462, 1640..2190		
GI Descrip.	(AF118127) disease resistance protein I2 [Lycopersicon esculentum]		

Seq. No.	1343	Seq. ID	OJ990703_53.9B01.C7
Gene No.	2756	Strand	-
Start	1	End	2190
Name	OJ990703_53.9B01.C7.o1.ts	Method	TBLASTX:Soybean
Start	130	End	918

GI none
Exons 130..297, 469..534, 610..918

Score 228

Seq. No. 1343
Gene No. 2756
Start 1
Name OJ990703_53.9B01.C7.o1.tm
Start 602
GI none
Exons 602..931, 643..939

Seq. ID OJ990703_53.9B01.C7
Strand -
End 2190
Method TBLASTX:Maize
End 939
Score 120

Seq. No. 1343
Gene No. 2756
Start 1
Name OJ990703_53.9B01.C7.o1.gs
Start 682
GI none
Exons 682..2160

Seq. ID OJ990703_53.9B01.C7
Strand -
End 2190
Method GENSCAN
End 2160
Score .86

Seq. No. 1344
Gene No. 2757
Start 99
Name OJ990703_53.9B01.C8.o1.gs
Start 99
GI none
Exons 99..170, 348..407

Seq. ID OJ990703_53.9B01.C8
Strand +
End 407
Method GENSCAN
End 407
Score .97

Seq. No. 1344
Gene No. 2758
Start 1
Name OJ990703_53.9B01.C8.o1.np
Start 1
GI 5042454
Exons 1..31, 87..343
GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. ID OJ990703_53.9B01.C8
Strand -
End 343
Method AAT/NAP
End 343
Score 83

Seq. No. 1345
Gene No. 2759
Start 1
Name OJ990703_53.9B01.C9.o1.np
Start 1
GI 2498930
Exons 1..79, 247..314
GI Descrip. DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]

Seq. ID OJ990703_53.9B01.C9
Strand -
End 314
Method AAT/NAP
End 314
Score 185

Seq. No. 1345
Gene No. 2759
Start 1
Name OJ990703_53.9B01.C9.o1.gs
Start 35
GI none
Exons 35..79, 247..253

Seq. ID OJ990703_53.9B01.C9
Strand -
End 314
Method GENSCAN
End 253
Score .84

Seq. No. 1346
Gene No. 2760
Start 1

Seq. ID OJ990703_53.9B01.C12
Strand +
End 2876

Name	OJ990703_53.9B01.C12.o1.np	Method	AAT/NAP
Start	1	End	2876
GI	2632252	Score	67
Exons	1..34, 2412..2491, 2542..2590, 2802..2876		
GI Descrip.	(Y12464) serine/threonine kinase [Sorghum bicolor]		

Seq. No.	1346	Seq. ID	OJ990703_53.9B01.C12
Gene No.	2761	Strand	-
Start	545	End	6675
Name	OJ990703_53.9B01.C12.o1.gs	Method	GENSCAN
Start	545	End	6626
GI	none	Score	.59
Exons	545..664, 1925..1971, 2916..2942, 4542..4662, 4699..4779, 4797..5076, 5331..5598, 5690..5988, 6081..6626		

Seq. No.	1346	Seq. ID	OJ990703_53.9B01.C12
Gene No.	2761	Strand	-
Start	545	End	6675
Name	OJ990703_53.9B01.C12.o2.np	Method	AAT/NAP
Start	4152	End	6675
GI	5441880	Score	246
Exons	4152..4298, 4735..5045, 5331..5584, 5682..5982, 6501..6675		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	1347	Seq. ID	OJ990703_53.9B01.C13
Gene No.	2762	Strand	-
Start	1	End	1835
Name	OJ990703_53.9B01.C13.o1.np	Method	AAT/NAP
Start	1	End	1835
GI	5441880	Score	262
Exons	1..139, 708..1004, 1266..1315, 1757..1835		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	1347	Seq. ID	OJ990703_53.9B01.C13
Gene No.	2762	Strand	-
Start	1	End	1835
Name	OJ990703_53.9B01.C13.o1.gs	Method	GENSCAN
Start	552	End	1811
GI	none	Score	.59
Exons	552..1811		

Seq. No.	1347	Seq. ID	OJ990703_53.9B01.C13
Gene No.	2762	Strand	-
Start	1	End	1835
Name	OJ990703_53.9B01.C13.o1.tw	Method	TBLASTX:Wheat
Start	1518	End	1835
GI	none	Score	59
Exons	1518..1715, 1598..1681, 1614..1703, 1660..1707, 1728..1835, 1755..1832, 1756..1833		

Seq. No.	1348	Seq. ID	OJ990703_53.9B01.C14
Gene No.	2763	Strand	+
Start	5865	End	6557

Name	OJ990703_53.9B01.C14.o2.gs	Method	GENSCAN
Start	5865	End	6557
GI	none	Score	.99
Exons	5865..6557		

Seq. No.	1348	Seq. ID	OJ990703_53.9B01.C14
Gene No.	2764	Strand	-
Start	1	End	494
Name	OJ990703_53.9B01.C14.o1.np	Method	AAT/NAP
Start	1	End	494
GI	5441880	Score	240
Exons	1..494		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	1349	Seq. ID	OJ990703_53.9B01.C15
Gene No.	2765	Strand	+
Start	1	End	2734
Name	OJ990703_53.9B01.C15.o1.np	Method	AAT/NAP
Start	1	End	2734
GI	2191151	Score	286
Exons	1..767, 2675..2734		
GI Descrip.	(AF007269) contains similarity to membrane associated salt-inducible protein [Arabidopsis thaliana]		

Seq. No.	1349	Seq. ID	OJ990703_53.9B01.C15
Gene No.	2765	Strand	+
Start	1	End	2734
Name	OJ990703_53.9B01.C15.o1.tc	Method	TBLASTX:Cress
Start	249	End	446
GI	none	Score	229
Exons	249..446, 267..431		

Seq. No.	1349	Seq. ID	OJ990703_53.9B01.C15
Gene No.	2765	Strand	+
Start	1	End	2734
Name	OJ990703_53.9B01.C15.o1.ts	Method	TBLASTX:Soybean
Start	249	End	452
GI	none	Score	232
Exons	249..452, 290..427		

Seq. No.	1349	Seq. ID	OJ990703_53.9B01.C15
Gene No.	2765	Strand	+
Start	1	End	2734
Name	OJ990703_53.9B01.C15.o1.tm	Method	TBLASTX:Maize
Start	249	End	452
GI	none	Score	232
Exons	249..452, 290..427, 294..452		

Seq. No.	1350	Seq. ID	OJ990703_53.9B01.C16
Gene No.	2766	Strand	-
Start	226	End	497
Name	OJ990703_53.9B01.C16.o1.gs	Method	GENSCAN
Start	226	End	497
GI	none	Score	.92
Exons	226..497		

Seq. No.	1351	Seq. ID	OJ990703_53.9B01.C17
Gene No.	2767	Strand	-
Start	4916	End	5383
Name	OJ990703_53.9B01.C17.o2.gs	Method	GENSCAN
Start	4916	End	5383
GI	none	Score	.84
Exons	4916..5123, 5256..5383		
Seq. No.	1352	Seq. ID	OJ990703_53.9B01.C20
Gene No.	2768	Strand	+
Start	1	End	786
Name	OJ990703_53.9B01.C20.o1.np	Method	AAT/NAP
Start	1	End	786
GI	99922	Score	619
Exons	1..786		
GI Descrip.	hypothetical protein - soybean gi 930025 emb CAA31883 (X13528) ORF (334 AA) [Glycine max]		
Seq. No.	1352	Seq. ID	OJ990703_53.9B01.C20
Gene No.	2768	Strand	+
Start	1	End	786
Name	OJ990703_53.9B01.C20.o1.tw	Method	TBLASTX:Wheat
Start	3	End	444
GI	none	Score	136
Exons	3..152, 20..151, 199..318, 201..305, 205..324, 224..325, 316..444		
Seq. No.	1352	Seq. ID	OJ990703_53.9B01.C20
Gene No.	2768	Strand	+
Start	1	End	786
Name	OJ990703_53.9B01.C20.o1.ts	Method	TBLASTX:Soybean
Start	30	End	459
GI	none	Score	90
Exons	30..152, 35..151, 219..440, 220..459		
Seq. No.	1352	Seq. ID	OJ990703_53.9B01.C20
Gene No.	2768	Strand	+
Start	1	End	786
Name	OJ990703_53.9B01.C20.o1.tc	Method	TBLASTX:Cress
Start	187	End	540
GI	none	Score	259
Exons	187..540, 282..485		
Seq. No.	1352	Seq. ID	OJ990703_53.9B01.C20
Gene No.	2768	Strand	+
Start	1	End	786
Name	OJ990703_53.9B01.C20.o1.gs	Method	GENSCAN
Start	223	End	743
GI	none	Score	.6
Exons	223..349, 609..743		
Seq. No.	1352	Seq. ID	OJ990703_53.9B01.C20
Gene No.	2768	Strand	+
Start	1	End	786
Name	OJ990703_53.9B01.C20.o1.tm	Method	TBLASTX:Maize
Start	282	End	519

GI none
Exons 282..503, 313..519

Score 237

Seq. No. 1353
Gene No. 2769
Start 2138
Name OJ990703_53.9B01.C24.ol.gs
Start 2138
GI none
Exons 2138..2553, 2567..2937, 3047..3471

Seq. ID OJ990703_53.9B01.C24
Strand +
End 3489
Method GENSCAN
End 3471
Score .66

Seq. No. 1353
Gene No. 2769
Start 2138
Name OJ990703_53.9B01.C24.ol.np
Start 2144
GI 5042418
Exons 2144..3468
GI Descrip. (AC006193) Hypothetical Protein [Arabidopsis thaliana]

Seq. ID OJ990703_53.9B01.C24
Strand +
End 3489
Method AAT/NAP
End 3468
Score 278

Seq. No. 1353
Gene No. 2769
Start 2138
Name OJ990703_53.9B01.C24.ol.ts
Start 2398
GI none
Exons 2398..2496, 2399..2497, 2498..2563, 2589..2696, 2730..2909, 2747..2908, 2922..3044, 3082..3297, 3084..3263, 3366..3461, 3367..3489

Seq. ID OJ990703_53.9B01.C24
Strand +
End 3489
Method TBLASTX:Soybean
End 3489
Score 111

Seq. No. 1353
Gene No. 2769
Start 2138
Name OJ990703_53.9B01.C24.ol.tm
Start 2616
GI none
Exons 2616..2696, 2691..2876, 2729..2869, 2960..3034, 2961..3044

Seq. ID OJ990703_53.9B01.C24
Strand +
End 3489
Method TBLASTX:Maize
End 3044
Score 69

Seq. No. 1354
Gene No. 2770
Start 1153
Name OJ990703_53.9B01.C25.ol.gs
Start 1153
GI none
Exons 1153..1240, 1460..1621, 2920..2955, 3018..3083

Seq. ID OJ990703_53.9B01.C25
Strand +
End 3083
Method GENSCAN
End 3083
Score .64

Seq. No. 1354
Gene No. 2770
Start 1153
Name OJ990703_53.9B01.C25.ol.ts
Start 2559
GI none
Exons 2559..2684, 2584..2700, 2585..2686, 2707..2778, 2708..2779, 2769..2891, 2772..2891, 2777..2896, 2780..2893

Seq. ID OJ990703_53.9B01.C25
Strand +
End 3083
Method TBLASTX:Soybean
End 2896
Score 137

Seq. No. 1354
Gene No. 2770

Seq. ID OJ990703_53.9B01.C25
Strand +

Start	1153	End	3083
Name	OJ990703_53.9B01.C25.o1.tm	Method	TBLASTX:Maize
Start	2584	End	2805
GI	none	Score	158
Exons	2584..2685, 2585..2686, 2672..2779, 2695..2778, 2698..2793, 2733..2780, 2773..2799, 2774..2800, 2776..2805		

Seq. No.	1354	Seq. ID	OJ990703_53.9B01.C25
Gene No.	2770	Strand	+
Start	1153	End	3083
Name	OJ990703_53.9B01.C25.o1.tc	Method	TBLASTX:Cress
Start	2707	End	2893
GI	none	Score	81
Exons	2707..2778, 2708..2779, 2733..2780, 2774..2893, 2775..2891, 2776..2892		

Seq. No.	1355	Seq. ID	OJ990703_53.9B01.C26
Gene No.	2771	Strand	+
Start	361	End	3660
Name	OJ990703_53.9B01.C26.o1.np	Method	AAT/NAP
Start	361	End	3208
GI	5734705	Score	117
Exons	361..486, 670..929, 2906..3208		
GI Descrip.	(AC008075) F24J5.4 [Arabidopsis thaliana] gi 6524187 gb AAF15072.1 AC011914_14 (AC011914) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1355	Seq. ID	OJ990703_53.9B01.C26
Gene No.	2771	Strand	+
Start	361	End	3660
Name	OJ990703_53.9B01.C26.o1.gs	Method	GENSCAN
Start	670	End	3660
GI	none	Score	.73
Exons	670..1006, 1430..1511, 1605..1770, 3018..3085, 3273..3411, 3513..3660		

Seq. No.	1356	Seq. ID	OJ990703_53.9B01.C27
Gene No.	2772	Strand	-
Start	247	End	1030
Name	OJ990703_53.9B01.C27.o1.gs	Method	GENSCAN
Start	247	End	991
GI	none	Score	.83
Exons	247..348, 770..991		

Seq. No.	1356	Seq. ID	OJ990703_53.9B01.C27
Gene No.	2772	Strand	-
Start	247	End	1030
Name	OJ990703_53.9B01.C27.o1.tw	Method	TBLASTX:Wheat
Start	616	End	979
GI	none	Score	64
Exons	616..714, 618..725, 719..979, 732..866		

Seq. No.	1356	Seq. ID	OJ990703_53.9B01.C27
Gene No.	2772	Strand	-
Start	247	End	1030
Name	OJ990703_53.9B01.C27.o1.tm	Method	TBLASTX:Maize
Start	722	End	1030

GI	none	Score	166
Exons	722..778, 809..1030		
Seq. No.	1357	Seq. ID	OJ990703_53.9B01.C29
Gene No.	2773	Strand	-
Start	1	End	923
Name	OJ990703_53.9B01.C29.o1.np	Method	AAT/NAP
Start	1	End	923
GI	6907089	Score	1147
Exons	1..923		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	1357	Seq. ID	OJ990703_53.9B01.C29
Gene No.	2773	Strand	-
Start	1	End	923
Name	OJ990703_53.9B01.C29.o1.gs	Method	GENSCAN
Start	10	End	915
GI	none	Score	.52
Exons	10..915		
Seq. No.	1358	Seq. ID	OJ990703_53.9B01.C30
Gene No.	2774	Strand	+
Start	1	End	6588
Name	OJ990703_53.9B01.C30.o2.np	Method	AAT/NAP
Start	1	End	2605
GI	5042454	Score	324
Exons	1..79, 308..389, 986..1124, 1342..1470, 2149..2321, 2552..2605		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	1358	Seq. ID	OJ990703_53.9B01.C30
Gene No.	2774	Strand	+
Start	1	End	6588
Name	OJ990703_53.9B01.C30.o3.np	Method	AAT/NAP
Start	1399	End	3557
GI	5042448	Score	321
Exons	1399..1529, 2735..2970, 3010..3235, 3504..3557		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	1358	Seq. ID	OJ990703_53.9B01.C30
Gene No.	2774	Strand	+
Start	1	End	6588
Name	OJ990703_53.9B01.C30.o4.np	Method	AAT/NAP
Start	1927	End	6588
GI	4680179	Score	411
Exons	1927..1994, 3504..3949, 6496..6588		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	1358	Seq. ID	OJ990703_53.9B01.C30
Gene No.	2774	Strand	+
Start	1	End	6588
Name	OJ990703_53.9B01.C30.o2.gs	Method	GENSCAN
Start	2175	End	3628
GI	none	Score	.59
Exons	2175..2321, 2753..2894, 3081..3203, 3504..3628		
Seq. No.	1358	Seq. ID	OJ990703_53.9B01.C30

Gene No. 2774
 Start 1
 Name OJ990703_53.9B01.C30.o3.gs
 Start 6458
 GI none
 Exons 6458..6559

Strand +
 End 6588
 Method GENSCAN
 End 6559
 Score .64

Seq. No. 1358
 Gene No. 2775
 Start 1
 Name OJ990703_53.9B01.C30.o1.np
 Start 1
 GI 6907089
 Exons 1..1086
 GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. ID OJ990703_53.9B01.C30
 Strand -
 End 1086
 Method AAT/NAP
 End 1086
 Score 1814

Seq. No. 1359
 Gene No. 2776
 Start 27
 Name OJ990703_53.9B01.C31.o1.gs
 Start 27
 GI none
 Exons 27..756, 1033..1304

Seq. ID OJ990703_53.9B01.C31
 Strand +
 End 1304
 Method GENSCAN
 End 1304
 Score .75

Seq. No. 1359
 Gene No. 2776
 Start 27
 Name OJ990703_53.9B01.C31.o1.gp
 Start 58
 GI 701118
 Exons 58..290

Seq. ID OJ990703_53.9B01.C31
 Strand +
 End 1304
 Method AAT/GAP
 End 290
 Score 429

Seq. No. 1359
 Gene No. 2776
 Start 27
 Name OJ990703_53.9B01.C31.o2.gp
 Start 298
 GI none
 Exons 298..656

Seq. ID OJ990703_53.9B01.C31
 Strand +
 End 1304
 Method AAT/GAP
 End 656
 Score 707

Seq. No. 1359
 Gene No. 2777
 Start 8099
 Name OJ990703_53.9B01.C31.o4.gp
 Start 8099
 GI 2315_5.R1084
 Exons 8099..8361

Seq. ID OJ990703_53.9B01.C31
 Strand +
 End 8361
 Method AAT/GAP
 End 8361
 Score 355

GI Descrip. '6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No. 1359
 Gene No. 2778
 Start 8931
 Name OJ990703_53.9B01.C31.o2.np
 Start 8931
 GI 5922631
 Exons 8931..9055, 9314..9558, 9793..9995, 10041..10612, 10655..10806,

Seq. ID OJ990703_53.9B01.C31
 Strand +
 End 15026
 Method AAT/NAP
 End 14990
 Score 6674

10933..11856, 12463..14990
 GI Descrip. (AP000492) ESTs C26347(C12145), AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145), AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu-1. (AF049110) [Oryza sativ

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2778	Strand	+
Start	8931	End	15026
Name	OJ990703_53.9B01.C31.o3.gs	Method	GENSCAN
Start	8931	End	15026
GI	none	Score	.87
Exons	8931..11848, 11945..12848, 12873..15026		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2779	Strand	-
Start	3868	End	6187
Name	OJ990703_53.9B01.C31.o3.gp	Method	AAT/GAP
Start	3597	End	6187
GI	385 2.R1084	Score	2753
Exons	3597..4160, 4243..4486, 5429..5548, 5658..6187		
GI Descrip.	'1706260/sp Q10716 CYS1 MAIZE 1.0e-159 CYSTEINE PROTEINASE 1 PRECURSOR >gi_2118131_pir_S59597 cysteine proteinase 1 precursor - maize >gi_643597_dbj_BAA08244_ (D45402) cysteine proteinase [Zea mays]'		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2779	Strand	-
Start	3868	End	6187
Name	OJ990703_53.9B01.C31.o2.gs	Method	GENSCAN
Start	3868	End	6146
GI	none	Score	.43
Exons	3868..4160, 4243..4452, 5429..6146		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2779	Strand	-
Start	3868	End	6187
Name	OJ990703_53.9B01.C31.o1.np	Method	AAT/NAP
Start	3877	End	6116
GI	1706260	Score	1409
Exons	3877..4160, 4243..4486, 5429..5548, 5658..6116		
GI Descrip.	CYSTEINE PROTEINASE 1 PRECURSOR gi 2118131 pir S59597 cysteine proteinase 1 precursor - maize gi 643597 dbj BAA08244 (D45402) cysteine proteinase [Zea mays]		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o7.tm	Method	TBLASTX:Maize
Start	87	End	683
GI	none	Score	204
Exons	87..215, 144..185, 284..319, 344..397, 344..391, 399..527, 460..534, 510..575, 651..683		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o6.tm	Method	TBLASTX:Maize
Start	1115	End	1311
GI	none	Score	228
Exons	1115..1276, 1116..1304, 1117..1311, 1117..1305		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o1.ts	Method	TBLASTX:Soybean
Start	3869	End	5906
GI	none	Score	56
Exons	3869..3931, 3883..3939, 3949..4164, 3950..4168, 4244..4303, 4244..4303, 4295..4369, 4295..4351, 4358..4408, 4421..4489, 4425..4487, 5420..5527, 5436..5546, 5643..5750, 5665..5739, 5781..5858, 5815..5838, 5838..5906		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o8.tw	Method	TBLASTX:Wheat
Start	3874	End	4081
GI	none	Score	236
Exons	3874..4080, 3875..4081		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o1.tc	Method	TBLASTX:Cress
Start	3877	End	5694
GI	none	Score	237
Exons	3877..3936, 3940..4164, 3944..4168, 4242..4352, 4244..4351, 4250..4393, 4352..4489, 4353..4487, 5420..5527, 5430..5543, 5643..5693, 5644..5694		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o1.tm	Method	TBLASTX:Maize
Start	3877	End	6047
GI	none	Score	366
Exons	3877..4164, 3884..4165, 4242..4487, 4244..4495, 4244..4489, 4324..4503, 5429..5527, 5430..5546, 5643..5759, 5644..5745, 5778..6047, 5815..5955, 5832..6047		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o6.tw	Method	TBLASTX:Wheat
Start	4105	End	5522
GI	none	Score	79
Exons	4105..4164, 4109..4165, 4242..4487, 4244..4489, 4247..4495, 4324..4503, 5420..5464, 5430..5459, 5465..5521, 5466..5522		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
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Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o2.tc	Method	TBLASTX:Cress
Start	5695	End	6014
GI	none	Score	59
Exons	5695..5739, 5697..5750, 5781..6014, 5818..5871		
Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o9.tw	Method	TBLASTX:Wheat
Start	10217	End	10619
GI	none	Score	291
Exons	10217..10270, 10218..10619		
Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o7.tw	Method	TBLASTX:Wheat
Start	11196	End	11653
GI	none	Score	146
Exons	11196..11372, 11417..11653, 11421..11651		
Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o1.tw	Method	TBLASTX:Wheat
Start	11873	End	12329
GI	none	Score	497
Exons	11873..12328, 11874..12329		
Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o4.ts	Method	TBLASTX:Soybean
Start	11913	End	12278
GI	none	Score	138
Exons	11913..12137, 12144..12278		
Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o4.tm	Method	TBLASTX:Maize
Start	12003	End	12359
GI	none	Score	375
Exons	12003..12359, 12044..12349		
Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o2.tw	Method	TBLASTX:Wheat
Start	12444	End	12868
GI	none	Score	448
Exons	12444..12863, 12488..12868, 12509..12868		
Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-

Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o2.ts	Method	TBLASTX:Soybean
Start	12522	End	12923
GI	none	Score	311
Exons	12522..12923, 12539..12682, 12719..12889		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o3.tm	Method	TBLASTX:Maize
Start	12590	End	13034
GI	none	Score	281
Exons	12590..12844, 12591..12845, 12866..12997, 12867..13010, 13008..13034		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o10.tw	Method	TBLASTX:Wheat
Start	12872	End	13157
GI	none	Score	276
Exons	12872..12949, 12873..13154, 12882..13157		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o3.ts	Method	TBLASTX:Soybean
Start	13149	End	13537
GI	none	Score	86
Exons	13149..13253, 13157..13537, 13293..13535		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o4.tw	Method	TBLASTX:Wheat
Start	13158	End	13580
GI	none	Score	414
Exons	13158..13580, 13166..13570		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o8.tm	Method	TBLASTX:Maize
Start	13410	End	13664
GI	none	Score	193
Exons	13410..13664		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o12.tw	Method	TBLASTX:Wheat
Start	13596	End	13895
GI	none	Score	129
Exons	13596..13730, 13755..13895		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-

Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o2.tm	Method	TBLASTX:Maize
Start	13892	End	14255
GI	none	Score	446
Exons	13892..14203, 13893..14216, 13913..14236, 14207..14254, 14208..14255		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o3.tw	Method	TBLASTX:Wheat
Start	13898	End	14285
GI	none	Score	420
Exons	13898..14209, 13899..14285, 14094..14285		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o9.tm	Method	TBLASTX:Maize
Start	14357	End	14630
GI	none	Score	95
Exons	14357..14464, 14358..14456, 14447..14521, 14451..14534, 14544..14630		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o5.tw	Method	TBLASTX:Wheat
Start	14400	End	15014
GI	none	Score	273
Exons	14400..14678, 14420..14509, 14561..14662, 14716..14781, 14733..14891, 14877..15014		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o5.tm	Method	TBLASTX:Maize
Start	14742	End	14975
GI	none	Score	148
Exons	14742..14894, 14834..14893, 14873..14974, 14874..14975		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o4.gs	Method	GENSCAN
Start	15342	End	23092
GI	none	Score	.48
Exons	15342..15790, 15863..15967, 16035..16224, 16300..16487, 16562..17189, 17409..18332, 20197..20245, 22825..22851, 23013..23092		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o3.np	Method	AAT/NAP
Start	15345	End	18293
GI	6691716	Score	2374

Exons 15345..15790, 15863..15979, 16125..16224, 16300..16494,
16662..16953, 17035..17224, 17423..18293
GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein
[Oryza sativa]

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o11.tw	Method	TBLASTX:Wheat
Start	17883	End	18173
GI	none	Score	217
Exons	17883..18173		

Seq. No.	1359	Seq. ID	OJ990703_53.9B01.C31
Gene No.	2780	Strand	-
Start	15342	End	23092
Name	OJ990703_53.9B01.C31.o5.gp	Method	AAT/GAP
Start	19606	End	19755
GI	uC-osflcyp177g01a1	Score	239
Exons	19606..19755		
GI Descrip.	'4884864/gb AAD31846.1 AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	1360	Seq. ID	OJ990613_38.9B17.C1
Gene No.	2781	Strand	+
Start	437	End	2905
Name	OJ990613_38.9B17.C1.o1.np	Method	AAT/NAP
Start	437	End	2905
GI	4538896	Score	773
Exons	437..488, 1558..1895, 2003..2304, 2394..2586, 2647..2905		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	1360	Seq. ID	OJ990613_38.9B17.C1
Gene No.	2781	Strand	+
Start	437	End	2905
Name	OJ990613_38.9B17.C1.o1.gs	Method	GENSCAN
Start	643	End	2864
GI	none	Score	.51
Exons	643..800, 914..1068, 1302..1390, 2174..2304, 2394..2563, 2690..2864		

Seq. No.	1360	Seq. ID	OJ990613_38.9B17.C1
Gene No.	2781	Strand	+
Start	437	End	2905
Name	OJ990613_38.9B17.C1.o2.tm	Method	TBLASTX:Maize
Start	1596	End	1877
GI	none	Score	60
Exons	1596..1637, 1598..1633, 1656..1748, 1658..1753, 1767..1877		

Seq. No.	1360	Seq. ID	OJ990613_38.9B17.C1
Gene No.	2781	Strand	+
Start	437	End	2905
Name	OJ990613_38.9B17.C1.o3.tm	Method	TBLASTX:Maize
Start	2188	End	2493
GI	none	Score	106
Exons	2188..2310, 2189..2311, 2382..2492, 2392..2493		

Seq. No.	1360	Seq. ID	OJ990613_38.9B17.C1
Gene No.	2781	Strand	+
Start	437	End	2905
Name	OJ990613_38.9B17.C1.o1.tm	Method	TBLASTX:Maize
Start	2494	End	2898
GI	none	Score	410
Exons	2494..2802, 2505..2828, 2505..2738, 2805..2894, 2806..2898		

Seq. No.	1361	Seq. ID	OJ990613_38.9B17.C2
Gene No.	2782	Strand	+
Start	1	End	515
Name	OJ990613_38.9B17.C2.o1.np	Method	AAT/NAP
Start	1	End	336
GI	4063770	Score	219
Exons	1..336		
GI Descrip.	(AB004906) transposase [Ipomoea purpurea]		

Seq. No.	1361	Seq. ID	OJ990613_38.9B17.C2
Gene No.	2782	Strand	+
Start	1	End	515
Name	OJ990613_38.9B17.C2.o1.gs	Method	GENSCAN
Start	73	End	515
GI	none	Score	.7
Exons	73..349, 445..515		

Seq. No.	1361	Seq. ID	OJ990613_38.9B17.C2
Gene No.	2782	Strand	+
Start	1	End	515
Name	OJ990613_38.9B17.C2.o1.tm	Method	TBLASTX:Maize
Start	73	End	333
GI	none	Score	250
Exons	73..333, 84..245, 85..333		

Seq. No.	1362	Seq. ID	OJ990613_38.9B17.C6
Gene No.	2783	Strand	+
Start	1953	End	2356
Name	OJ990613_38.9B17.C6.o1.gs	Method	GENSCAN
Start	1953	End	2356
GI	none	Score	.53
Exons	1953..2064, 2215..2356		

Seq. No.	1363	Seq. ID	OJ990613_38.9B17.C7
Gene No.	2784	Strand	+
Start	1	End	325
Name	OJ990613_38.9B17.C7.o1.np	Method	AAT/NAP
Start	1	End	325
GI	3212865	Score	394
Exons	1..325		
GI Descrip.	(AC004005) unknown protein [Arabidopsis thaliana]		

Seq. No.	1363	Seq. ID	OJ990613_38.9B17.C7
Gene No.	2784	Strand	+
Start	1	End	325
Name	OJ990613_38.9B17.C7.o1.gs	Method	GENSCAN
Start	64	End	309
GI	none	Score	.58

Exons 64..309

Seq. No.	1363	Seq. ID	OJ990613_38.9B17.C7
Gene No.	2785	Strand	-
Start	1	End	325
Name	OJ990613_38.9B17.C7.o1.gp	Method	AAT/GAP
Start	1	End	325
GI	1171_1.R1084	Score	610
Exons	1..325		
GI Descrip.	'3212865 1.0e-146 (AC004005) unknown protein [Arabidopsis thaliana]'		

Seq. No.	1363	Seq. ID	OJ990613_38.9B17.C7
Gene No.	2785	Strand	-
Start	1	End	325
Name	OJ990613_38.9B17.C7.o1.tm	Method	TBLASTX:Maize
Start	1	End	309
GI	none	Score	424
Exons	1..267, 1..249, 3..266, 243..287, 255..302, 256..309		

Seq. No.	1363	Seq. ID	OJ990613_38.9B17.C7
Gene No.	2785	Strand	-
Start	1	End	325
Name	OJ990613_38.9B17.C7.o1.tc	Method	TBLASTX:Cress
Start	4	End	312
GI	none	Score	405
Exons	4..312, 9..305		

Seq. No.	1363	Seq. ID	OJ990613_38.9B17.C7
Gene No.	2785	Strand	-
Start	1	End	325
Name	OJ990613_38.9B17.C7.o1.ts	Method	TBLASTX:Soybean
Start	105	End	320
GI	none	Score	292
Exons	105..305, 106..312, 114..320		

Seq. No.	1363	Seq. ID	OJ990613_38.9B17.C7
Gene No.	2785	Strand	-
Start	1	End	325
Name	OJ990613_38.9B17.C7.o1.tw	Method	TBLASTX:Wheat
Start	146	End	312
GI	none	Score	259
Exons	146..187, 151..312, 156..308, 157..309		

Seq. No.	1364	Seq. ID	OJ990613_38.9B17.C8
Gene No.	2786	Strand	+
Start	1	End	916
Name	OJ990613_38.9B17.C8.o1.np	Method	AAT/NAP
Start	1	End	916
GI	3212865	Score	886
Exons	1..37, 107..916		
GI Descrip.	(AC004005) unknown protein [Arabidopsis thaliana]		

Seq. No.	1364	Seq. ID	OJ990613_38.9B17.C8
Gene No.	2787	Strand	-
Start	102	End	977
Name	OJ990613_38.9B17.C8.o1.tm	Method	TBLASTX:Maize

Start	96	End	760
GI	none	Score	186
Exons	96..452, 101..757, 102..314, 107..760, 403..759		

Seq. No.	1364	Seq. ID	OJ990613_38.9B17.C8
Gene No.	2787	Strand	-
Start	102	End	977
Name	OJ990613_38.9B17.C8.o1.tw	Method	TBLASTX:Wheat
Start	97	End	361
GI	none	Score	343
Exons	97..345, 101..361, 107..313, 226..342		

Seq. No.	1364	Seq. ID	OJ990613_38.9B17.C8
Gene No.	2787	Strand	-
Start	102	End	977
Name	OJ990613_38.9B17.C8.o1.gp	Method	AAT/GAP
Start	102	End	977
GI	1171_1.R1084	Score	1669
Exons	102..977		
GI Descrip.	'3212865 1.0e-146 (AC004005) unknown protein [Arabidopsis thaliana]'		

Seq. No.	1364	Seq. ID	OJ990613_38.9B17.C8
Gene No.	2787	Strand	-
Start	102	End	977
Name	OJ990613_38.9B17.C8.o1.tc	Method	TBLASTX:Cress
Start	106	End	339
GI	none	Score	305
Exons	106..339, 107..313		

Seq. No.	1364	Seq. ID	OJ990613_38.9B17.C8
Gene No.	2787	Strand	-
Start	102	End	977
Name	OJ990613_38.9B17.C8.o1.ts	Method	TBLASTX:Soybean
Start	106	End	640
GI	none	Score	415
Exons	106..345, 107..451, 442..630, 443..640		

Seq. No.	1364	Seq. ID	OJ990613_38.9B17.C8
Gene No.	2787	Strand	-
Start	102	End	977
Name	OJ990613_38.9B17.C8.o2.tc	Method	TBLASTX:Cress
Start	580	End	828
GI	none	Score	239
Exons	580..828, 581..817		

Seq. No.	1364	Seq. ID	OJ990613_38.9B17.C8
Gene No.	2787	Strand	-
Start	102	End	977
Name	OJ990613_38.9B17.C8.o2.ts	Method	TBLASTX:Soybean
Start	644	End	910
GI	none	Score	272
Exons	644..910, 646..894		

Seq. No.	1365	Seq. ID	OJ990613_38.9B17.C9
Gene No.	2788	Strand	-
Start	871	End	1056

Name	OJ990613_38.9B17.C9.ol.gs	Method	GENSCAN
Start	871	End	1056
GI	none	Score	.57
Exons	871..1056		
Seq. No.	1366	Seq. ID	OJ990613_38.9B17.C15
Gene No.	2789	Strand	+
Start	955	End	1233
Name	OJ990613_38.9B17.C15.ol.gs	Method	GENSCAN
Start	955	End	1233
GI	none	Score	.89
Exons	955..1233		
Seq. No.	1367	Seq. ID	OJ990613_38.9B17.C16
Gene No.	2790	Strand	-
Start	298	End	892
Name	OJ990613_38.9B17.C16.ol.np	Method	AAT/NAP
Start	298	End	892
GI	4206204	Score	95
Exons	298..449, 510..892		
GI Descrip.	(AF071527) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	1368	Seq. ID	OJ990613_38.9B17.C21
Gene No.	2791	Strand	-
Start	265	End	2613
Name	OJ990613_38.9B17.C21.ol.gs	Method	GENSCAN
Start	265	End	2613
GI	none	Score	.47
Exons	265..417, 721..881, 1017..1046, 1308..1439, 1589..1721, 1959..2104, 2160..2238, 2412..2613		
Seq. No.	1369	Seq. ID	OJ990613_38.9B17.C22
Gene No.	2792	Strand	-
Start	416	End	536
Name	OJ990613_38.9B17.C22.ol.gs	Method	GENSCAN
Start	416	End	536
GI	none	Score	.99
Exons	416..536		
Seq. No.	1370	Seq. ID	OJ990613_38.9B17.C23
Gene No.	2793	Strand	-
Start	203	End	355
Name	OJ990613_38.9B17.C23.ol.gs	Method	GENSCAN
Start	203	End	355
GI	none	Score	.9
Exons	203..355		
Seq. No.	1371	Seq. ID	OJ990613_38.9B17.C25
Gene No.	2794	Strand	+
Start	45	End	1231
Name	OJ990613_38.9B17.C25.ol.gs	Method	GENSCAN
Start	45	End	1231
GI	none	Score	.68
Exons	45..650, 912..1068, 1074..1231		
Seq. No.	1372	Seq. ID	OJ990613_38.9B17.C28
Gene No.	2795	Strand	+

Start	75	End	292
Name	OJ990613_38.9B17.C28.ol.gs	Method	GENSCAN
Start	75	End	292
GI	none	Score	.61
Exons	75..292		

Seq. No.	1373	Seq. ID	OJ990613_38.9B17.C29
Gene No.	2796	Strand	-
Start	1	End	686
Name	OJ990613_38.9B17.C29.ol.gp	Method	AAT/GAP
Start	1	End	686
GI	331_1.R1084	Score	1321
Exons	1..686		
GI Descrip.	'1136122/emb CAA62917 0.0e+00 (X91807) alfa-tubulin [Oryza sativa]'		

Seq. No.	1373	Seq. ID	OJ990613_38.9B17.C29
Gene No.	2796	Strand	-
Start	1	End	686
Name	OJ990613_38.9B17.C29.ol.gs	Method	GENSCAN
Start	62	End	615
GI	none	Score	.72
Exons	62..269, 308..615		

Seq. No.	1373	Seq. ID	OJ990613_38.9B17.C29
Gene No.	2796	Strand	-
Start	1	End	686
Name	OJ990613_38.9B17.C29.ol.np	Method	AAT/NAP
Start	65	End	686
GI	1136122	Score	1029
Exons	65..686		
GI Descrip.	(X91807) alfa-tubulin [Oryza sativa]		

Seq. No.	1373	Seq. ID	OJ990613_38.9B17.C29
Gene No.	2796	Strand	-
Start	1	End	686
Name	OJ990613_38.9B17.C29.ol.tm	Method	TBLASTX:Maize
Start	104	End	685
GI	none	Score	170
Exons	104..376, 122..376, 195..377, 319..684, 320..685		

Seq. No.	1373	Seq. ID	OJ990613_38.9B17.C29
Gene No.	2796	Strand	-
Start	1	End	686
Name	OJ990613_38.9B17.C29.ol.ts	Method	TBLASTX:Soybean
Start	104	End	676
GI	none	Score	135
Exons	104..334, 122..376, 195..377, 308..445, 319..444, 427..486, 428..484, 461..499, 484..675, 488..676		

Seq. No.	1373	Seq. ID	OJ990613_38.9B17.C29
Gene No.	2796	Strand	-
Start	1	End	686
Name	OJ990613_38.9B17.C29.ol.tc	Method	TBLASTX:Cress
Start	113	End	685
GI	none	Score	127
Exons	113..370, 122..376, 195..377, 308..685, 319..684		

Seq. No.	1373	Seq. ID	OJ990613_38.9B17.C29
Gene No.	2796	Strand	-
Start	1	End	686
Name	OJ990613_38.9B17.C29.o1.tw	Method	TBLASTX:Wheat
Start	122	End	682
GI	none	Score	232
Exons	122..376, 195..377, 308..682, 319..681		

Seq. No.	1374	Seq. ID	OJ990613_38.9B17.C30
Gene No.	2797	Strand	+
Start	61	End	251
Name	OJ990613_38.9B17.C30.o1.gs	Method	GENSCAN
Start	61	End	251
GI	none	Score	.47
Exons	61..251		

Seq. No.	1374	Seq. ID	OJ990613_38.9B17.C30
Gene No.	2797	Strand	+
Start	61	End	251
Name	OJ990613_38.9B17.C30.o1.ts	Method	TBLASTX:Soybean
Start	108	End	240
GI	none	Score	189
Exons	108..239, 109..240		

Seq. No.	1375	Seq. ID	OJ990613_38.9B17.C31
Gene No.	2798	Strand	+
Start	25	End	688
Name	OJ990613_38.9B17.C31.o1.gs	Method	GENSCAN
Start	25	End	688
GI	none	Score	.83
Exons	25..133, 650..688		

Seq. No.	1375	Seq. ID	OJ990613_38.9B17.C31
Gene No.	2798	Strand	+
Start	25	End	688
Name	OJ990613_38.9B17.C31.o1.gp	Method	AAT/GAP
Start	462	End	634
GI	12650_1.R1084	Score	229
Exons	462..634		
GI Descrip.	'5803242/dbj AP000399.1 AP000399 2.0e-24 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	1376	Seq. ID	OJ990613_38.9B17.C36
Gene No.	2799	Strand	-
Start	1	End	656
Name	OJ990613_38.9B17.C36.o1.gp	Method	AAT/GAP
Start	1	End	153
GI	331_1.R1084	Score	282
Exons	1..153		
GI Descrip.	'1136122/emb CAA62917 0.0e+00 (X91807) alfa-tubulin [Oryza sativa]'		

Seq. No.	1376	Seq. ID	OJ990613_38.9B17.C36
Gene No.	2799	Strand	-
Start	1	End	656
Name	OJ990613_38.9B17.C36.o1.np	Method	AAT/NAP

Start	1	End	656
GI	4098272	Score	228
Exons	1..151, 567..656		
GI Descrip.	(U76558) alpha-tubulin [Triticum aestivum]		

Seq. No.	1376	Seq. ID	OJ990613_38.9B17.C36
Gene No.	2799	Strand	-
Start	1	End	656
Name	OJ990613_38.9B17.C36.ol.tc	Method	TBLASTX:Cress
Start	2	End	155
GI	none	Score	228
Exons	2..154, 3..149, 3..155		

Seq. No.	1376	Seq. ID	OJ990613_38.9B17.C36
Gene No.	2799	Strand	-
Start	1	End	656
Name	OJ990613_38.9B17.C36.ol.ts	Method	TBLASTX:Soybean
Start	2	End	154
GI	none	Score	224
Exons	2..154, 3..146, 91..147		

Seq. No.	1376	Seq. ID	OJ990613_38.9B17.C36
Gene No.	2799	Strand	-
Start	1	End	656
Name	OJ990613_38.9B17.C36.ol.tw	Method	TBLASTX:Wheat
Start	2	End	154
GI	none	Score	238
Exons	2..154, 3..149, 91..150		

Seq. No.	1376	Seq. ID	OJ990613_38.9B17.C36
Gene No.	2799	Strand	-
Start	1	End	656
Name	OJ990613_38.9B17.C36.ol.tm	Method	TBLASTX:Maize
Start	2	End	154
GI	none	Score	223
Exons	2..154, 3..146		

Seq. No.	1376	Seq. ID	OJ990613_38.9B17.C36
Gene No.	2799	Strand	-
Start	1	End	656
Name	OJ990613_38.9B17.C36.ol.gs	Method	GENSCAN
Start	11	End	148
GI	none	Score	.9
Exons	11..148		

Seq. No.	1377	Seq. ID	OJ990613_38.9B17.C38
Gene No.	2800	Strand	+
Start	1134	End	5563
Name	OJ990613_38.9B17.C38.ol.gs	Method	GENSCAN
Start	1134	End	5563
GI	none	Score	.67
Exons	1134..1387, 1501..1703, 2124..2271, 2276..2450, 2761..3227, 3470..3816, 3960..4417, 4496..4760, 4996..5073, 5478..5563		

Seq. No.	1377	Seq. ID	OJ990613_38.9B17.C38
Gene No.	2801	Strand	+
Start	9975	End	10462

Name	OJ990613_38.9B17.C38.o3.gp	Method	AAT/GAP
Start	9975	End	10462
GI	LIB3433-039-P1-K1-C11	Score	810
Exons	9975..10306, 10327..10462		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	1377	Seq. ID	OJ990613_38.9B17.C38
Gene No.	2802	Strand	-
Start	5173	End	5745
Name	OJ990613_38.9B17.C38.o1.gp	Method	AAT/GAP
Start	5173	End	5745
GI	uC-osroM202012f04a1	Score	1099
Exons	5173..5745		
GI Descrip.	'3212854 4.0e-29 (AC004005) unknown protein [Arabidopsis thaliana]'		

Seq. No.	1377	Seq. ID	OJ990613_38.9B17.C38
Gene No.	2803	Strand	-
Start	6333	End	8269
Name	OJ990613_38.9B17.C38.o2.gs	Method	GENSCAN
Start	6333	End	8269
GI	none	Score	.9
Exons	6333..6404, 6707..7088, 7497..8269		

Seq. No.	1377	Seq. ID	OJ990613_38.9B17.C38
Gene No.	2804	Strand	-
Start	8447	End	8512
Name	OJ990613_38.9B17.C38.o1.tm	Method	TBLASTX:Maize
Start	3546	End	4072
GI	none	Score	319
Exons	3546..3821, 3546..3779, 3548..3820, 3557..3823, 3959..4072		

Seq. No.	1377	Seq. ID	OJ990613_38.9B17.C38
Gene No.	2804	Strand	-
Start	8447	End	8512
Name	OJ990613_38.9B17.C38.o1.ts	Method	TBLASTX:Soybean
Start	3606	End	4279
GI	none	Score	225
Exons	3606..3827, 3644..3829, 3950..4279		

Seq. No.	1377	Seq. ID	OJ990613_38.9B17.C38
Gene No.	2804	Strand	-
Start	8447	End	8512
Name	OJ990613_38.9B17.C38.o1.tw	Method	TBLASTX:Wheat
Start	3950	End	4312
GI	none	Score	215
Exons	3950..4312, 3958..4044, 4135..4290		

Seq. No.	1377	Seq. ID	OJ990613_38.9B17.C38
Gene No.	2804	Strand	-
Start	8447	End	8512
Name	OJ990613_38.9B17.C38.o2.tw	Method	TBLASTX:Wheat
Start	7496	End	7705
GI	none	Score	108
Exons	7496..7561, 7589..7705, 7593..7700		

Seq. No.	1377	Seq. ID	OJ990613_38.9B17.C38
Gene No.	2804	Strand	-
Start	8447	End	8512
Name	OJ990613_38.9B17.C38.o2.tm	Method	TBLASTX:Maize
Start	7667	End	7957
GI	none	Score	53
Exons	7667..7726, 7668..7733, 7748..7825, 7761..7814, 7874..7957, 7875..7955, 7882..7956		

Seq. No.	1377	Seq. ID	OJ990613_38.9B17.C38
Gene No.	2804	Strand	-
Start	8447	End	8512
Name	OJ990613_38.9B17.C38.o2.gp	Method	AAT/GAP
Start	8447	End	8512
GI	3760640	Score	77
Exons	8447..8512		
GI Descrip.	4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	1378	Seq. ID	OJ990613_38.9B17.C39
Gene No.	2805	Strand	+
Start	144	End	1151
Name	OJ990613_38.9B17.C39.o1.gs	Method	GENSCAN
Start	144	End	1151
GI	none	Score	.88
Exons	144..193, 750..1151		

Seq. No.	1378	Seq. ID	OJ990613_38.9B17.C39
Gene No.	2806	Strand	+
Start	6967	End	10232
Name	OJ990613_38.9B17.C39.o1.np	Method	AAT/NAP
Start	6967	End	10232
GI	4680203	Score	1963
Exons	6967..8628, 8789..9018, 9295..10232		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	1378	Seq. ID	OJ990613_38.9B17.C39
Gene No.	2806	Strand	+
Start	6967	End	10232
Name	OJ990613_38.9B17.C39.o2.tw	Method	TBLASTX:Wheat
Start	7383	End	8006
GI	none	Score	238
Exons	7383..7742, 7424..7615, 7751..7861, 7755..7874, 7881..8006		

Seq. No.	1378	Seq. ID	OJ990613_38.9B17.C39
Gene No.	2806	Strand	+
Start	6967	End	10232
Name	OJ990613_38.9B17.C39.o1.ts	Method	TBLASTX:Soybean
Start	7398	End	7735
GI	none	Score	41
Exons	7398..7445, 7403..7453, 7451..7735, 7452..7733		

Seq. No.	1378	Seq. ID	OJ990613_38.9B17.C39
Gene No.	2806	Strand	+
Start	6967	End	10232
Name	OJ990613_38.9B17.C39.o3.ts	Method	TBLASTX:Soybean
Start	7754	End	8021

GI	none	Score	220
Exons	7754..8002, 7758..8021, 7779..8003		
Seq. No.	1378	Seq. ID	OJ990613_38.9B17.C39
Gene No.	2806	Strand	+
Start	6967	End	10232
Name	OJ990613_38.9B17.C39.o1.tc	Method	TBLASTX:Cress
Start	7755	End	8102
GI	none	Score	316
Exons	7755..8102, 7760..7909, 7949..8077		
Seq. No.	1378	Seq. ID	OJ990613_38.9B17.C39
Gene No.	2806	Strand	+
Start	6967	End	10232
Name	OJ990613_38.9B17.C39.o1.tm	Method	TBLASTX:Maize
Start	7946	End	8390
GI	none	Score	216
Exons	7946..8071, 7947..8189, 8111..8173, 8198..8374, 8199..8390		
Seq. No.	1378	Seq. ID	OJ990613_38.9B17.C39
Gene No.	2806	Strand	+
Start	6967	End	10232
Name	OJ990613_38.9B17.C39.o3.tw	Method	TBLASTX:Wheat
Start	8010	End	8351
GI	none	Score	50
Exons	8010..8048, 8055..8150, 8056..8154, 8057..8218, 8164..8202, 8198..8350, 8199..8351		
Seq. No.	1378	Seq. ID	OJ990613_38.9B17.C39
Gene No.	2806	Strand	+
Start	6967	End	10232
Name	OJ990613_38.9B17.C39.o4.ts	Method	TBLASTX:Soybean
Start	8225	End	8459
GI	none	Score	211
Exons	8225..8386, 8226..8459		
Seq. No.	1378	Seq. ID	OJ990613_38.9B17.C39
Gene No.	2806	Strand	+
Start	6967	End	10232
Name	OJ990613_38.9B17.C39.o5.ts	Method	TBLASTX:Soybean
Start	8863	End	9246
GI	none	Score	85
Exons	8863..8991, 9001..9246, 9120..9245		
Seq. No.	1378	Seq. ID	OJ990613_38.9B17.C39
Gene No.	2806	Strand	+
Start	6967	End	10232
Name	OJ990613_38.9B17.C39.o1.tw	Method	TBLASTX:Wheat
Start	8902	End	10152
GI	none	Score	507
Exons	8902..9444, 8946..9446, 9451..9651, 9504..9641, 9649..9789, 9663..9788, 9805..9855, 9812..9856, 9855..9908, 9856..9909, 9924..10031, 9928..10032, 10033..10152		
Seq. No.	1378	Seq. ID	OJ990613_38.9B17.C39
Gene No.	2806	Strand	+
Start	6967	End	10232

Name	OJ990613_38.9B17.C39.o2.tm	Method	TBLASTX:Maize
Start	8943	End	9258
GI	none	Score	302
Exons	8943..9239, 8944..9258		
Seq. No.	1378	Seq. ID	OJ990613_38.9B17.C39
Gene No.	2806	Strand	+
Start	6967	End	10232
Name	OJ990613_38.9B17.C39.o2.tc	Method	TBLASTX:Cress
Start	9189	End	9615
GI	none	Score	231
Exons	9189..9446, 9193..9444, 9451..9615, 9504..9611		
Seq. No.	1378	Seq. ID	OJ990613_38.9B17.C39
Gene No.	2806	Strand	+
Start	6967	End	10232
Name	OJ990613_38.9B17.C39.o2.ts	Method	TBLASTX:Soybean
Start	9841	End	10089
GI	none	Score	241
Exons	9841..10089, 9843..10025		
Seq. No.	1379	Seq. ID	OJ990613_38.9B17.C40
Gene No.	2807	Strand	+
Start	3132	End	4807
Name	OJ990613_38.9B17.C40.o2.gs	Method	GENSCAN
Start	3132	End	4807
GI	none	Score	.43
Exons	3132..3362, 3732..3985, 4064..4234, 4317..4605, 4691..4807		
Seq. No.	1379	Seq. ID	OJ990613_38.9B17.C40
Gene No.	2808	Strand	+
Start	6239	End	6551
Name	OJ990613_38.9B17.C40.o1.gp	Method	AAT/GAP
Start	6239	End	6551
GI	72524_1.R1084	Score	376
Exons	6239..6551		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	1380	Seq. ID	OJ990613_38.9B17.C41
Gene No.	2809	Strand	-
Start	60	End	139
Name	OJ990613_38.9B17.C41.o1.gs	Method	GENSCAN
Start	60	End	139
GI	none	Score	.6
Exons	60..139		
Seq. No.	1381	Seq. ID	OJ990613_38.9B17.C45
Gene No.	2810	Strand	-
Start	1	End	330
Name	OJ990613_38.9B17.C45.o1.np	Method	AAT/NAP
Start	1	End	330
GI	4378066	Score	289
Exons	1..330		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi 4680208 gb AAD27571.1 AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	1381	Seq. ID	OJ990613_38.9B17.C45
Gene No.	2810	Strand	-
Start	1	End	330
Name	OJ990613_38.9B17.C45.o1.tw	Method	TBLASTX:Wheat
Start	2	End	329
GI	none	Score	78
Exons	2..166, 174..329, 176..328		

Seq. No.	1381	Seq. ID	OJ990613_38.9B17.C45
Gene No.	2810	Strand	-
Start	1	End	330
Name	OJ990613_38.9B17.C45.o1.gs	Method	GENSCAN
Start	159	End	301
GI	none	Score	.76
Exons	159..301		

Seq. No.	1382	Seq. ID	OJ990613_38.9B17.C47
Gene No.	2811	Strand	-
Start	102	End	322
Name	OJ990613_38.9B17.C47.o1.gs	Method	GENSCAN
Start	102	End	283
GI	none	Score	.42
Exons	102..283		

Seq. No.	1382	Seq. ID	OJ990613_38.9B17.C47
Gene No.	2811	Strand	-
Start	102	End	322
Name	OJ990613_38.9B17.C47.o1.np	Method	AAT/NAP
Start	102	End	322
GI	4680204	Score	110
Exons	102..322		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	1383	Seq. ID	OJ990613_38.9B17.C51
Gene No.	2812	Strand	+
Start	1	End	772
Name	OJ990613_38.9B17.C51.o1.np	Method	AAT/NAP
Start	1	End	772
GI	6742729	Score	1195
Exons	1..772		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	1383	Seq. ID	OJ990613_38.9B17.C51
Gene No.	2812	Strand	+
Start	1	End	772
Name	OJ990613_38.9B17.C51.o1.tw	Method	TBLASTX:Wheat
Start	5	End	766
GI	none	Score	738
Exons	5..190, 10..741, 11..766, 596..766		

Seq. No.	1383	Seq. ID	OJ990613_38.9B17.C51
Gene No.	2812	Strand	+
Start	1	End	772
Name	OJ990613_38.9B17.C51.o1.tm	Method	TBLASTX:Maize
Start	53	End	367
GI	none	Score	313

Exons 53..367, 64..339

Seq. No.	1383	Seq. ID	OJ990613_38.9B17.C51
Gene No.	2812	Strand	+
Start	1	End	772
Name	OJ990613_38.9B17.C51.ol.gs	Method	GENSCAN
Start	80	End	668
GI	none	Score	.49
Exons	80..668		

Seq. No.	1383	Seq. ID	OJ990613_38.9B17.C51
Gene No.	2812	Strand	+
Start	1	End	772
Name	OJ990613_38.9B17.C51.ol.tc	Method	TBLASTX:Cress
Start	298	End	745
GI	none	Score	136
Exons	298..633, 298..741, 302..745, 596..745		

Seq. No.	1384	Seq. ID	OJ990613_38.9B17.C58
Gene No.	2813	Strand	+
Start	492	End	758
Name	OJ990613_38.9B17.C58.ol.gs	Method	GENSCAN
Start	492	End	647
GI	none	Score	.57
Exons	492..647		

Seq. No.	1384	Seq. ID	OJ990613_38.9B17.C58
Gene No.	2813	Strand	+
Start	492	End	758
Name	OJ990613_38.9B17.C58.ol.np	Method	AAT/NAP
Start	492	End	758
GI	4512231	Score	416
Exons	492..758		
GI Descrip.	(AB014741). ORF0 protein [Oryza sativa]		

Seq. No.	1385	Seq. ID	OJ990613_38.9B17.C60
Gene No.	2814	Strand	-
Start	341	End	393
Name	OJ990613_38.9B17.C60.ol.gs	Method	GENSCAN
Start	341	End	393
GI	none	Score	.67
Exons	341..393		

Seq. No.	1386	Seq. ID	OJ990323_24.9B12.C1
Gene No.	2815	Strand	-
Start	1	End	604
Name	OJ990323_24.9B12.C1.ol.np	Method	AAT/NAP
Start	1	End	604
GI	6539581	Score	872
Exons	1..604		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	1386	Seq. ID	OJ990323_24.9B12.C1
Gene No.	2815	Strand	-
Start	1	End	604
Name	OJ990323_24.9B12.C1.ol.ts	Method	TBLASTX:Soybean

Start 2
 GI none
 Exons 2..328, 23..283, 30..311

End 328
 Score 132

Seq. No. 1386
 Gene No. 2815
 Start 1
 Name OJ990323_24.9B12.C1.o2.tm
 Start 2
 GI none
 Exons 2..313, 23..316

Seq. ID OJ990323_24.9B12.C1
 Strand -
 End 604
 Method TBLASTX:Maize
 End 316
 Score 113

Seq. No. 1386
 Gene No. 2815
 Start 1
 Name OJ990323_24.9B12.C1.o1.tc
 Start 23
 GI none
 Exons 23..364

Seq. ID OJ990323_24.9B12.C1
 Strand -
 End 604
 Method TBLASTX:Cress
 End 364
 Score 234

Seq. No. 1386
 Gene No. 2815
 Start 1
 Name OJ990323_24.9B12.C1.o1.tw
 Start 170
 GI none
 Exons 170..460, 171..305, 464..562

Seq. ID OJ990323_24.9B12.C1
 Strand -
 End 604
 Method TBLASTX:Wheat
 End 562
 Score 65

Seq. No. 1386
 Gene No. 2815
 Start 1
 Name OJ990323_24.9B12.C1.o1.tm
 Start 316
 GI none
 Exons 316..375, 317..559, 369..557

Seq. ID OJ990323_24.9B12.C1
 Strand -
 End 604
 Method TBLASTX:Maize
 End 559
 Score 49

Seq. No. 1387
 Gene No. 2816
 Start 565
 Name OJ990323_24.9B12.C2.o1.np
 Start 565
 GI 6539580
 Exons 565..699, 782..869
 GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. ID OJ990323_24.9B12.C2
 Strand -
 End 869
 Method AAT/NAP
 End 869
 Score 252

Seq. No. 1388
 Gene No. 2817
 Start 15853
 Name OJ990323_24.9B12.C3.o2.gp
 Start 15797
 GI none
 Exons 15797..16254, 16937..17003

Seq. ID OJ990323_24.9B12.C3
 Strand +
 End 20495
 Method AAT/GAP
 End 17003
 Score 1022

Seq. No. 1388
 Gene No. 2817
 Start 15853
 Name OJ990323_24.9B12.C3.o2.gs

Seq. ID OJ990323_24.9B12.C3
 Strand +
 End 20495
 Method GENSCAN

Start	15853	End	20449
GI	none	Score	.51
Exons	15853..16254, 16937..17146, 17228..17689, 17783..17893, 18754..19038, 20252..20449		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2817	Strand	+
Start	15853	End	20495
Name	OJ990323_24.9B12.C3.o5.np	Method	AAT/NAP
Start	15866	End	20495
GI	6560750	Score	524
Exons	15866..16254, 16937..17146, 17225..17689, 17783..17923, 18008..18159, 18754..18883, 18941..19038, 20252..20495		
GI Descrip.	(AC010155) F3M18.3 [Arabidopsis thaliana]		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2818	Strand	-
Start	1	End	13872
Name	OJ990323_24.9B12.C3.o1.np	Method	AAT/NAP
Start	1	End	1071
GI	4680179	Score	223
Exons	1..57, 493..1071		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2818	Strand	-
Start	1	End	13872
Name	OJ990323_24.9B12.C3.o2.np	Method	AAT/NAP
Start	16	End	6101
GI	6539580	Score	2112
Exons	16..51, 1632..2019, 2364..2462, 2535..2606, 2645..2884, 3009..3057, 3402..3556, 3738..3951, 4063..4236, 4327..4953, 5041..5163, 5841..5942, 6016..6101		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2818	Strand	-
Start	1	End	13872
Name	OJ990323_24.9B12.C3.o1.gs	Method	GENSCAN
Start	493	End	13829
GI	none	Score	.7
Exons	493..1072, 1649..2001, 2364..2462, 2535..2606, 2733..2911, 3009..3057, 3426..3556, 3738..3978, 4063..4236, 5841..5942, 6016..6111, 7532..7565, 7643..7688, 7768..7939, 8415..8604, 9187..9302, 9447..9504, 10974..11180, 11989..12897, 13174..13829		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2818	Strand	-
Start	1	End	13872
Name	OJ990323_24.9B12.C3.o1.gp	Method	AAT/GAP
Start	10658	End	12248
GI	18481_1.R1084	Score	1468
Exons	10658..11180, 11989..12248		
GI Descrip.	'3513727 4.0e-50 (AF080118) contains similarity to TPR domains (Pfam: TPR.hmm: score: 11.15) and kinesin motor domains (Pfam: kinesin2.hmm, score: 17.49, 20.52 and 10.94) [Arabidopsis thaliana] >gi_4539358_emb_CAB40052.1_ (AL049525) putative		

protein [Arabidopsis thaliana]'

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2818	Strand	-
Start	1	End	13872
Name	OJ990323_24.9B12.C3.o3.np	Method	AAT/NAP
Start	10949	End	13872
GI	3513727	Score	1713
Exons	10949..11180, 11989..12897, 13174..13340, 13404..13872		
GI Descrip.	(AF080118) contains similarity to TPR domains (Pfam: TPR.hmm: score: 11.15) and kinesin motor domains (Pfam: kinesin2.hmm, score: 17.49, 20.52 and 10.94) [Arabidopsis thaliana] gi 4539358 emb CAB40052.1 (AF049525) putative protein [Arabidopsis thaliana]		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2819	Strand	-
Start	21704	End	23924
Name	OJ990323_24.9B12.C3.o3.gs	Method	GENSCAN
Start	21704	End	23679
GI	none	Score	.76
Exons	21704..21894, 21985..22237, 22306..22536, 22836..22999, 23040..23679		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2819	Strand	-
Start	21704	End	23924
Name	OJ990323_24.9B12.C3.o6.np	Method	AAT/NAP
Start	21713	End	23924
GI	4587999	Score	365
Exons	21713..21894, 21985..22237, 22306..22486, 22786..22966, 23124..23283, 23847..23924		
GI Descrip.	(AF085279) hypothetical APG protein [Arabidopsis thaliana]		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2819	Strand	-
Start	21704	End	23924
Name	OJ990323_24.9B12.C3.o7.np	Method	AAT/NAP
Start	21713	End	23887
GI	728868	Score	427
Exons	21713..21894, 21985..22285, 22349..22494, 22794..22966, 23124..23592, 23813..23887		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG (PROTEIN CEX) gi 99824 pir S16748 proline-rich protein - rape (fragment) gi 22597 emb CAA42924 (X60376) proline-rich protein [Brassica napus]		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2820	Strand	-
Start	25295	End	26932
Name	OJ990323_24.9B12.C3.o1.tw	Method	TBLASTX:Wheat
Start	505	End	822
GI	none	Score	144
Exons	505..795, 505..822		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2820	Strand	-

Start	25295	End	26932
Name	OJ990323_24.9B12.C3.o1.tm	Method	TBLASTX:Maize
Start	10856	End	12681
GI	none	Score	46
Exons	10856..10882, 10860..11060, 10928..11182, 10943..11179, 11965..12348, 11988..12680, 11993..12574, 12357..12677, 12417..12647, 12454..12681		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2820	Strand	-
Start	25295	End	26932
Name	OJ990323_24.9B12.C3.o2.tw	Method	TBLASTX:Wheat
Start	10943	End	12095
GI	none	Score	51
Exons	10943..10978, 10946..10981, 11009..11182, 11013..11126, 11015..11182, 11965..12075, 11987..12094, 11988..12095, 11988..12095		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2820	Strand	-
Start	25295	End	26932
Name	OJ990323_24.9B12.C3.o1.ts	Method	TBLASTX:Soybean
Start	10952	End	13679
GI	none	Score	118
Exons	10952..11182, 10970..11173, 11965..12348, 11988..12899, 11993..12355, 12437..12574, 12460..12897, 13173..13349, 13176..13295, 13177..13338, 13416..13502, 13417..13503, 13599..13679, 13600..13644		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2820	Strand	-
Start	25295	End	26932
Name	OJ990323_24.9B12.C3.o1.tc	Method	TBLASTX:Cress
Start	11108	End	13235
GI	none	Score	61
Exons	11108..11182, 11968..12033, 11988..12032, 11988..12143, 12030..12176, 12031..12177, 12031..12177, 12153..12899, 12181..12348, 12227..12544, 12372..12902, 12802..12906, 13173..13235		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2820	Strand	-
Start	25295	End	26932
Name	OJ990323_24.9B12.C3.o3.tm	Method	TBLASTX:Maize
Start	12681	End	12899
GI	none	Score	114
Exons	12681..12899, 12717..12899		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2820	Strand	-
Start	25295	End	26932
Name	OJ990323_24.9B12.C3.o2.tm	Method	TBLASTX:Maize
Start	13173	End	13380
GI	none	Score	183
Exons	13173..13295, 13173..13349, 13174..13380		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
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Gene No.	2820	Strand	-
Start	25295	End	26932
Name	OJ990323_24.9B12.C3.o2.ts	Method	TBLASTX:Soybean
Start	20249	End	20597
GI	none	Score	153
Exons	20249..20371, 20251..20370, 20472..20597, 20474..20587		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2820	Strand	-
Start	25295	End	26932
Name	OJ990323_24.9B12.C3.o4.tm	Method	TBLASTX:Maize
Start	21692	End	22234
GI	none	Score	114
Exons	21692..21817, 21827..21895, 21983..22084, 22064..22234		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2820	Strand	-
Start	25295	End	26932
Name	OJ990323_24.9B12.C3.o2.tc	Method	TBLASTX:Cress
Start	21734	End	22120
GI	none	Score	129
Exons	21734..21895, 21750..21896, 21983..22120		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2820	Strand	-
Start	25295	End	26932
Name	OJ990323_24.9B12.C3.o3.ts	Method	TBLASTX:Soybean
Start	23125	End	23277
GI	none	Score	106
Exons	23125..23277, 23147..23272		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2820	Strand	-
Start	25295	End	26932
Name	OJ990323_24.9B12.C3.o4.gs	Method	GENSCAN
Start	25295	End	26852
GI	none	Score	.98
Exons	25295..25436, 25631..26160, 26262..26414, 26706..26852		

Seq. No.	1388	Seq. ID	OJ990323_24.9B12.C3
Gene No.	2820	Strand	-
Start	25295	End	26932
Name	OJ990323_24.9B12.C3.o8.np	Method	AAT/NAP
Start	25315	End	26932
GI	6466948	Score	81
Exons	25315..25436, 25631..25756, 26911..26932		
GI Descrip.	(AC009176) unknown protein [Arabidopsis thaliana]		

Seq. No.	1389	Seq. ID	OJ990323_24.9B12.C4
Gene No.	2821	Strand	+
Start	3090	End	4553
Name	OJ990323_24.9B12.C4.o1.np	Method	AAT/NAP
Start	2928	End	4538
GI	3822403	Score	1253
Exons	2928..2979, 3088..4538		
GI Descrip.	(AF087932) hydroperoxide lyase [Arabidopsis thaliana]		

Seq. No. 1389
 Gene No. 2821
 Start 3090
 Name OJ990323_24.9B12.C4.o2.gs
 Start 3090
 GI none
 Exons 3090..4553

Seq. ID OJ990323_24.9B12.C4
 Strand +
 End 4553
 Method GENSCAN
 End 4553
 Score 1

Seq. No. 1389
 Gene No. 2822
 Start 7361
 Name OJ990323_24.9B12.C4.o3.gs
 Start 7361
 GI none
 Exons 7361..7417, 7471..7668

Seq. ID OJ990323_24.9B12.C4
 Strand +
 End 7668
 Method GENSCAN
 End 7668
 Score .66

Seq. No. 1389
 Gene No. 2823
 Start 1883
 Name OJ990323_24.9B12.C4.o1.gs
 Start 1883
 GI none
 Exons 1883..2021, 2123..2184

Seq. ID OJ990323_24.9B12.C4
 Strand -
 End 2184
 Method GENSCAN
 End 2184
 Score .91

Seq. No. 1389
 Gene No. 2824
 Start 3194
 Name OJ990323_24.9B12.C4.o1.tc
 Start 3194
 GI none
 Exons 3194..3295, 3198..3497, 3368..3487, 3609..4004, 3626..3772, 3923..4000, 4109..4219, 4116..4220, 4226..4327, 4227..4532, 4266..4484

Seq. ID OJ990323_24.9B12.C4
 Strand
 End 4550
 Method TBLASTX:Cress
 End 4532
 Score 301

Seq. No. 1389
 Gene No. 2824
 Start 3194
 Name OJ990323_24.9B12.C4.o1.tm
 Start 3194
 GI none
 Exons 3194..3487, 3198..3587, 3609..3710, 3626..3709

Seq. ID OJ990323_24.9B12.C4
 Strand
 End 4550
 Method TBLASTX:Maize
 End 3710
 Score 392

Seq. No. 1389
 Gene No. 2824
 Start 3194
 Name OJ990323_24.9B12.C4.o1.ts
 Start 3198
 GI none
 Exons 3198..3281, 3342..3482, 3774..3905, 3911..4015, 3912..4019, 4103..4204, 4119..4229, 4152..4205, 4230..4499, 4247..4441, 4266..4478

Seq. ID OJ990323_24.9B12.C4
 Strand
 End 4550
 Method TBLASTX:Soybean
 End 4499
 Score 85

Seq. No. 1389
 Gene No. 2824
 Start 3194
 Name OJ990323_24.9B12.C4.o3.tm
 Start 3878

Seq. ID OJ990323_24.9B12.C4
 Strand
 End 4550
 Method TBLASTX:Maize
 End 4241

GI	none	Score	173
Exons	3878..4015, 3879..4016, 4118..4240, 4119..4241, 4152..4241		

Seq. No.	1389	Seq. ID	OJ990323_24.9B12.C4
Gene No.	2824	Strand	
Start	3194	End	4550
Name	OJ990323_24.9B12.C4.o2.tm	Method	TBLASTX:Maize
Start	4247	End	4550
GI	none	Score	454
Exons	4247..4516, 4248..4550		

Seq. No.	1390	Seq. ID	OJ990323_24.9B12.C5
Gene No.	2825	Strand	-
Start	2045	End	4323
Name	OJ990323_24.9B12.C5.o1.gp	Method	AAT/GAP
Start	2003	End	2458
GI	72053_1.R1084	Score	888
Exons	2003..2458		
GI Descrip.	'4371279/gb AAD18137 2.0e-28 (AC006260) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	1390	Seq. ID	OJ990323_24.9B12.C5
Gene No.	2825	Strand	-
Start	2045	End	4323
Name	OJ990323_24.9B12.C5.o1.gs	Method	GENSCAN
Start	2045	End	4288
GI	none	Score	.99
Exons	2045..4288		

Seq. No.	1390	Seq. ID	OJ990323_24.9B12.C5
Gene No.	2825	Strand	-
Start	2045	End	4323
Name	OJ990323_24.9B12.C5.o2.tw	Method	TBLASTX:Wheat
Start	2045	End	2336
GI	none	Score	392
Exons	2045..2335, 2046..2336		

Seq. No.	1390	Seq. ID	OJ990323_24.9B12.C5
Gene No.	2825	Strand	-
Start	2045	End	4323
Name	OJ990323_24.9B12.C5.o1.np	Method	AAT/NAP
Start	2060	End	4323
GI	4056478	Score	1467
Exons	2060..4323		
GI Descrip.	(AC005896) unknown protein [Arabidopsis thaliana]		

Seq. No.	1390	Seq. ID	OJ990323_24.9B12.C5
Gene No.	2825	Strand	-
Start	2045	End	4323
Name	OJ990323_24.9B12.C5.o3.tm	Method	TBLASTX:Maize
Start	2264	End	2570
GI	none	Score	268
Exons	2264..2473, 2265..2474, 2477..2566, 2478..2570		

Seq. No.	1390	Seq. ID	OJ990323_24.9B12.C5
Gene No.	2825	Strand	-
Start	2045	End	4323

Name	OJ990323_24.9B12.C5.o1.ts	Method	TBLASTX:Soybean
Start	2303	End	2563
GI	none	Score	223
Exons	2303..2563, 2304..2552, 2315..2563		

Seq. No.	1390	Seq. ID	OJ990323_24.9B12.C5
Gene No.	2825	Strand	-
Start	2045	End	4323
Name	OJ990323_24.9B12.C5.o2.tm	Method	TBLASTX:Maize
Start	2600	End	2908
GI	none	Score	50
Exons	2600..2659, 2609..2659, 2660..2908, 2664..2897		

Seq. No.	1390	Seq. ID	OJ990323_24.9B12.C5
Gene No.	2825	Strand	-
Start	2045	End	4323
Name	OJ990323_24.9B12.C5.o1.tw	Method	TBLASTX:Wheat
Start	2696	End	3110
GI	none	Score	528
Exons	2696..3109, 2697..3110		

Seq. No.	1390	Seq. ID	OJ990323_24.9B12.C5
Gene No.	2825	Strand	-
Start	2045	End	4323
Name	OJ990323_24.9B12.C5.o1.tm	Method	TBLASTX:Maize
Start	3006	End	3310
GI	none	Score	394
Exons	3006..3287, 3008..3307, 3008..3310		

Seq. No.	1390	Seq. ID	OJ990323_24.9B12.C5
Gene No.	2825	Strand	-
Start	2045	End	4323
Name	OJ990323_24.9B12.C5.o2.ts	Method	TBLASTX:Soybean
Start	3206	End	3673
GI	5058134	Score	124
Exons	3206..3574, 3296..3673, 3351..3572		
GI Descrip.	4371279/gb_AAD18137_3.0e-49 (AC006260) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1390	Seq. ID	OJ990323_24.9B12.C5
Gene No.	2825	Strand	-
Start	2045	End	4323
Name	OJ990323_24.9B12.C5.o1.tc	Method	TBLASTX:Cress
Start	3215	End	3721
GI	none	Score	66
Exons	3215..3508, 3218..3649, 3222..3404, 3326..3721		

Seq. No.	1390	Seq. ID	OJ990323_24.9B12.C5
Gene No.	2825	Strand	-
Start	2045	End	4323
Name	OJ990323_24.9B12.C5.o4.tm	Method	TBLASTX:Maize
Start	3326	End	3766
GI	none	Score	43
Exons	3326..3547, 3437..3508, 3437..3613, 3534..3725, 3536..3766, 3620..3727		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
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Gene No.	2826	Strand	+
Start	2109	End	10226
Name	OJ990323_24.9B12.C6.o2.gs	Method	GENSCAN
Start	2109	End	10226
GI	none	Score	.65
Exons	2109..2200, 2219..2431, 2704..2783, 2828..3059, 3439..3494, 3579..3810, 4036..5507, 6719..6986, 7566..7728, 8772..8866, 8991..9192, 10152..10226		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2826	Strand	+
Start	2109	End	10226
Name	OJ990323_24.9B12.C6.o2.np	Method	AAT/NAP
Start	4058	End	8542
GI	2586082	Score	4438
Exons	4058..6577, 6679..6832, 6913..8542		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2827	Strand	-
Start	1	End	1751
Name	OJ990323_24.9B12.C6.o1.np	Method	AAT/NAP
Start	1	End	1751
GI	2583130	Score	767
Exons	1..1751		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2827	Strand	-
Start	1	End	1751
Name	OJ990323_24.9B12.C6.o1.gs	Method	GENSCAN
Start	39	End	1434
GI	none	Score	.51
Exons	39..210, 485..638, 705..875, 1060..1434		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2827	Strand	-
Start	1	End	1751
Name	OJ990323_24.9B12.C6.o3.tw	Method	TBLASTX:Wheat
Start	47	End	456
GI	none	Score	63
Exons	47..157, 140..226, 171..224, 225..443, 229..456		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2827	Strand	-
Start	1	End	1751
Name	OJ990323_24.9B12.C6.o7.tw	Method	TBLASTX:Wheat
Start	1063	End	1422
GI	none	Score	99
Exons	1063..1092, 1138..1257, 1247..1411, 1267..1422		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o1.tm	Method	TBLASTX:Maize
Start	3605	End	7761

GI	none	Score	63
Exons	3605..3748, 7315..7761, 7335..7490		
Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o3.tc	Method	TBLASTX:Cress
Start	4112	End	4648
GI	none	Score	78
Exons	4112..4231, 4259..4648		
Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o2.tm	Method	TBLASTX:Maize
Start	4136	End	4573
GI	none	Score	109
Exons	4136..4258, 4153..4269, 4264..4569, 4268..4573		
Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o6.tw	Method	TBLASTX:Wheat
Start	4376	End	4702
GI	none	Score	215
Exons	4376..4702, 4469..4693		
Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o2.tw	Method	TBLASTX:Wheat
Start	4975	End	5323
GI	none	Score	424
Exons	4975..5307, 4976..5323, 4988..5320		
Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o6.tm	Method	TBLASTX:Maize
Start	5033	End	5335
GI	none	Score	248
Exons	5033..5335, 5035..5292		
Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o4.tc	Method	TBLASTX:Cress
Start	5414	End	5701
GI	none	Score	68
Exons	5414..5479, 5510..5623, 5627..5701		
Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o4.ts	Method	TBLASTX:Soybean
Start	5414	End	5815
GI	none	Score	74

Exons 5414..5500, 5513..5620, 5624..5815

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o1.tc	Method	TBLASTX:Cress
Start	5810	End	6271
GI	none	Score	346
Exons	5810..6271		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o4.tm	Method	TBLASTX:Maize
Start	5819	End	6244
GI	none	Score	62
Exons	5819..5908, 5930..6244		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o3.ts	Method	TBLASTX:Soybean
Start	5837	End	6256
GI	none	Score	266
Exons	5837..6256		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o5.tw	Method	TBLASTX:Wheat
Start	5927	End	6271
GI	none	Score	287
Exons	5927..6271, 5944..6090		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o2.ts	Method	TBLASTX:Soybean
Start	7015	End	7517
GI	5509260	Score	378
Exons	7015..7506, 7045..7113, 7137..7301, 7341..7412, 7452..7517		
GI Descrip.	-		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o7.tm	Method	TBLASTX:Maize
Start	7045	End	7311
GI	none	Score	210
Exons	7045..7311, 7062..7271		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o2.tc	Method	TBLASTX:Cress
Start	7131	End	7401
GI	none	Score	276

Exons 7131..7292, 7132..7401, 7324..7392

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o4.tw	Method	TBLASTX:Wheat
Start	7182	End	7695
GI	none	Score	258
Exons	7182..7406, 7183..7527, 7336..7530, 7519..7695		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o6.tc	Method	TBLASTX:Cress
Start	7582	End	7824
GI	none	Score	182
Exons	7582..7824		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o1.tw	Method	TBLASTX:Wheat
Start	7696	End	8133
GI	none	Score	457
Exons	7696..8133, 7696..7968, 7701..8132		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o5.tm	Method	TBLASTX:Maize
Start	7828	End	8061
GI	none	Score	285
Exons	7828..8061, 7830..8024		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o1.ts	Method	TBLASTX:Soybean
Start	7897	End	8491
GI	none	Score	222
Exons	7897..8148, 7899..8030, 8091..8147, 8144..8272, 8149..8265, 8270..8491, 8359..8484		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o3.tm	Method	TBLASTX:Maize
Start	8064	End	8485
GI	none	Score	84
Exons	8064..8144, 8065..8145, 8065..8145, 8144..8194, 8144..8194, 8200..8268, 8201..8278, 8276..8485, 8291..8404		

Seq. No.	1391	Seq. ID	OJ990323_24.9B12.C6
Gene No.	2828	Strand	
Start	3605	End	8518
Name	OJ990323_24.9B12.C6.o5.tc	Method	TBLASTX:Cress
Start	8089	End	8518

GI	none	Score	59
Exons	8089..8142, 8171..8284, 8324..8518		
Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2829	Strand	+
Start	12718	End	20044
Name	OJ990323_24.9B12.C7.o2.np	Method	AAT/NAP
Start	12718	End	20044
GI	4836892	Score	735
Exons	12718..12760, 19277..20044		
GI Descrip.	(AC007369) Putative RNA helicase [Arabidopsis thaliana]		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2829	Strand	+
Start	12718	End	20044
Name	OJ990323_24.9B12.C7.o1.gp	Method	AAT/GAP
Start	14494	End	15194
GI	none	Score	1198
Exons	14494..15194		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2829	Strand	+
Start	12718	End	20044
Name	OJ990323_24.9B12.C7.o3.gs	Method	GENSCAN
Start	14768	End	15931
GI	none	Score	.75
Exons	14768..15931		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2829	Strand	+
Start	12718	End	20044
Name	OJ990323_24.9B12.C7.o3.gp	Method	AAT/GAP
Start	15406	End	16106
GI	22108_1.R1084	Score	895
Exons	15406..15721, 15743..16054, 16082..16106		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2829	Strand	+
Start	12718	End	20044
Name	OJ990323_24.9B12.C7.o4.gs	Method	GENSCAN
Start	16802	End	17672
GI	none	Score	.51
Exons	16802..16853, 17154..17291, 17320..17515, 17561..17672		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2829	Strand	+
Start	12718	End	20044
Name	OJ990323_24.9B12.C7.o5.gs	Method	GENSCAN
Start	18297	End	20032
GI	none	Score	.75
Exons	18297..18351, 18413..18528, 19512..19710, 19926..20032		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2830	Strand	+
Start	21113	End	22628

Name OJ990323_24.9B12.C7.o6.gs
 Start 21113
 GI none
 Exons 21113..21185, 21280..22628

Method GENSCAN
 End 22628
 Score 1

Seq. No. 1392
 Gene No. 2830
 Start 21113
 Name OJ990323_24.9B12.C7.o3.np
 Start 21116
 GI 5042429
 Exons 21116..22619
 GI Descrip. (AC006193) Putative cytochrome P450 [Arabidopsis thaliana]

Seq. ID OJ990323_24.9B12.C7
 Strand +
 End 22628
 Method AAT/NAP
 End 22619
 Score 922

Seq. No. 1392
 Gene No. 2831
 Start 23623
 Name OJ990323_24.9B12.C7.o7.gs
 Start 23623
 GI none
 Exons 23623..24765

Seq. ID OJ990323_24.9B12.C7
 Strand +
 End 24765
 Method GENSCAN
 End 24765
 Score 1

Seq. No. 1392
 Gene No. 2832
 Start 27741
 Name OJ990323_24.9B12.C7.o9.gs
 Start 27741
 GI none
 Exons 27741..27818, 27863..28246

Seq. ID OJ990323_24.9B12.C7
 Strand +
 End 28246
 Method GENSCAN
 End 28246
 Score .93

Seq. No. 1392
 Gene No. 2833
 Start 254
 Name OJ990323_24.9B12.C7.o1.gs
 Start 254
 GI none
 Exons 254..471, 1205..1337, 3468..3529, 3618..3846

Seq. ID OJ990323_24.9B12.C7
 Strand -
 End 3846
 Method GENSCAN
 End 3846
 Score .76

Seq. No. 1392
 Gene No. 2833
 Start 254
 Name OJ990323_24.9B12.C7.o1.np
 Start 2787
 GI 5257259
 Exons 2787..2864, 3618..3656, 3690..3816
 GI Descrip. (AP000364) hypothetical protein [Oryza sativa]

Seq. ID OJ990323_24.9B12.C7
 Strand -
 End 3846
 Method AAT/NAP
 End 3816
 Score 225

Seq. No. 1392
 Gene No. 2834
 Start 8367
 Name OJ990323_24.9B12.C7.o2.gs
 Start 8367
 GI none
 Exons 8367..8417, 9764..9856, 9948..10194, 10237..10565, 11124..11218, 11767..11954, 12072..12233, 12337..12374

Seq. ID OJ990323_24.9B12.C7
 Strand -
 End 12374
 Method GENSCAN
 End 12374
 Score .71

Seq. No. 1392
 Seq. ID OJ990323_24.9B12.C7

Gene No.	2835	Strand	-
Start	19027	End	19333
Name	OJ990323_24.9B12.C7.o6.gp	Method	AAT/GAP
Start	19027	End	19333
GI	61605_3.R1084	Score	417
Exons	19027..19333		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2836	Strand	-
Start	19287	End	20317
Name	OJ990323_24.9B12.C7.o7.gp	Method	AAT/GAP
Start	19287	End	20317
GI	2114_1.R1084	Score	1695
Exons	19287..20121, 20153..20317		
GI Descrip.	'4836892/gb AAD30595.1 AC007369_5 1.0e-117 (AC007369) Putative RNA helicase [Arabidopsis thaliana]'		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2836	Strand	-
Start	19287	End	20317
Name	OJ990323_24.9B12.C7.o8.gp	Method	AAT/GAP
Start	19289	End	20317
GI	2114_1.R1084	Score	1700
Exons	19289..20121, 20153..20317		
GI Descrip.	'4836892/gb AAD30595.1 AC007369_5 1.0e-117 (AC007369) Putative RNA helicase [Arabidopsis thaliana]'		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2837	Strand	-
Start	26364	End	26488
Name	OJ990323_24.9B12.C7.o8.gs	Method	GENSCAN
Start	26364	End	26488
GI	none	Score	.7
Exons	26364..26377, 26428..26488		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2838	Strand	-
Start	28934	End	32456
Name	OJ990323_24.9B12.C7.o9.gp	Method	AAT/GAP
Start	28934	End	30343
GI	59839_1.R1084	Score	1284
Exons	28934..29329, 29402..29523, 30089..30137, 30225..30343		
GI Descrip.	'2288887/emb CAA74700.1 8.0e-57 (Y14325) mevalonate diphosphate decarboxylase [Arabidopsis thaliana] >gi_3250736_emb_CAA76803.1_ (Y17593) mevalonate diphosphate decarboxylase [Arabidopsis thaliana] >gi_3786002 (AC005499) mevalonate diphosphate decarboxylase [Arabidopsis thaliana]'		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2838	Strand	-
Start	28934	End	32456
Name	OJ990323_24.9B12.C7.o10.gs	Method	GENSCAN
Start	29107	End	32305
GI	none	Score	.71
Exons	29107..29188, 29402..29523, 30089..30137, 30225..30382,		

30539..30625, 30831..30911, 32087..32305

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2838	Strand	-
Start	28934	End	32456
Name	OJ990323_24.9B12.C7.o5.np	Method	AAT/NAP
Start	29116	End	32296
GI	2288887	Score	1253
Exons	29116..29329, 29402..29523, 30089..30137, 30225..30382, 30539..30625, 30831..30911, 31009..31072, 31165..31228, 31417..31615, 32087..32296		
GI Descrip.	(Y14325) mevalonate diphosphate decarboxylase [Arabidopsis thaliana] gi 3250736 emb CAA76803.1 (Y17593) mevalonate diphosphate decarboxylase [Arabidopsis thaliana] gi 3786002 gb AAC67348.1 (AC005499) mevalonate diphosphate decarboxylase [Arabidopsis thaliana]		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2838	Strand	-
Start	28934	End	32456
Name	OJ990323_24.9B12.C7.o10.gp	Method	AAT/GAP
Start	30662	End	31211
GI	LIB3432-008-P1-K1-H10	Score	638
Exons	30662..30911, 31009..31072, 31165..31211		
GI Descrip.	'2288887/emb CAA74700.1 2.0e-20 (Y14325) mevalonate diphosphate decarboxylase [Arabidopsis thaliana] >gi_3250736_emb_CAA76803.1_ (Y17593) mevalonate diphosphate decarboxylase [Arabidopsis thaliana] >gi_3786002 (AC005499) mevalonate diphosphate decarboxylase [Arabidopsis thaliana]'		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2838	Strand	-
Start	28934	End	32456
Name	OJ990323_24.9B12.C7.o11.gp	Method	AAT/GAP
Start	31469	End	32456
GI	LIB3477-004-P1-K1-F11	Score	772
Exons	31469..31615, 32087..32319, 32403..32456		
GI Descrip.	'2288887/emb CAA74700.1 1.0e-36 (Y14325) mevalonate diphosphate decarboxylase [Arabidopsis thaliana] >gi_3250736_emb_CAA76803.1_ (Y17593) mevalonate diphosphate decarboxylase [Arabidopsis thaliana] >gi_3786002 (AC005499) mevalonate diphosphate decarboxylase [Arabidopsis thaliana]'		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2839	Strand	-
Start	32603	End	32982
Name	OJ990323_24.9B12.C7.o12.gp	Method	AAT/GAP
Start	32603	End	32982
GI	none	Score	742
Exons	32603..32982		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2840	Strand	-
Start	34956	End	36515
Name	OJ990323_24.9B12.C7.o7.np	Method	AAT/NAP
Start	34931	End	36515
GI	1076802	Score	190

Exons 34931..35034, 35551..36515
 GI Descrip. extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465)
 extensin-like protein [Zea mays] gi|1096557|prf||2111476A
 extensin-like domain [Zea mays]

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2840	Strand	-
Start	34956	End	36515
Name	OJ990323_24.9B12.C7.o11.gs	Method	GENSCAN
Start	34956	End	36209
GI	none	Score	.99
Exons	34956..36209		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2840	Strand	-
Start	34956	End	36515
Name	OJ990323_24.9B12.C7.o6.np	Method	AAT/NAP
Start	35019	End	36197
GI	6358783	Score	347
Exons	35019..35219, 35247..36197		
GI Descrip.	(AC010852) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2840	Strand	-
Start	34956	End	36515
Name	OJ990323_24.9B12.C7.o13.gp	Method	AAT/GAP
Start	35027	End	35460
GI	none	Score	809
Exons	35027..35460		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-
Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o5.tm	Method	TBLASTX:Maize
Start	1120	End	36176
GI	none	Score	47
Exons	1120..1185, 35859..35993, 36033..36176, 36063..36107, 36094..36138		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-
Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o7.tm	Method	TBLASTX:Maize
Start	10125	End	10436
GI	none	Score	82
Exons	10125..10436, 10251..10436		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-
Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o4.ts	Method	TBLASTX:Soybean
Start	11022	End	11568
GI	none	Score	95
Exons	11022..11132, 11232..11567, 11299..11568		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-

Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o6.tm	Method	TBLASTX:Maize
Start	11235	End	11641
GI	none	Score	56
Exons	11235..11564, 11259..11345, 11380..11541, 11385..11564, 11573..11641		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-
Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o4.tm	Method	TBLASTX:Maize
Start	11855	End	12237
GI	none	Score	125
Exons	11855..12034, 11856..12035, 11856..12044, 12029..12205, 12029..12220, 12039..12221, 12045..12221, 12049..12237		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-
Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o1.ts	Method	TBLASTX:Soybean
Start	19283	End	19869
GI	none	Score	87
Exons	19283..19336, 19287..19346, 19346..19708, 19347..19703, 19347..19712, 19714..19770, 19783..19869, 19785..19868		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-
Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o1.tm	Method	TBLASTX:Maize
Start	19284	End	20081
GI	none	Score	93
Exons	19284..19337, 19290..19349, 19291..19341, 19346..19711, 19347..19712, 19348..19713, 19709..19852, 19710..19853, 19713..19865, 19714..19872, 19867..20031, 19871..20032, 19874..20053, 19878..20081, 19879..20034		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-
Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o4.tw	Method	TBLASTX:Wheat
Start	19284	End	19459
GI	none	Score	56
Exons	19284..19337, 19288..19338, 19288..19341, 19290..19349, 19346..19459, 19347..19457, 19349..19459		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-
Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o1.tw	Method	TBLASTX:Wheat
Start	19728	End	24700
GI	none	Score	85
Exons	19728..19793, 19729..19794, 19786..19821, 19788..19817, 19806..19868, 19807..19872, 19867..20028, 19871..20047, 19871..20047, 19884..20063, 24668..24700		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-

Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o2.tw	Method	TBLASTX:Wheat
Start	21218	End	21574
GI	none	Score	92
Exons	21218..21343, 21273..21344, 21354..21569, 21401..21574		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-
Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o1.tc	Method	TBLASTX:Cress
Start	21294	End	22610
GI	none	Score	97
Exons	21294..21407, 21462..21566, 21636..21896, 21966..22121, 21972..22079, 21995..22120, 22139..22351, 22140..22364, 22368..22514, 22406..22501, 22521..22610, 22565..22609		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-
Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o2.ts	Method	TBLASTX:Soybean
Start	21294	End	22610
GI	none	Score	167
Exons	21294..21563, 21801..21896, 21984..22124, 22010..22114, 22131..22376, 22139..22303, 22371..22610, 22412..22471, 22560..22607		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-
Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o2.tm	Method	TBLASTX:Maize
Start	21477	End	22618
GI	none	Score	73
Exons	21477..21551, 21488..21550, 21639..21701, 21780..21872, 21945..22139, 22013..22120, 22137..22382, 22139..22351, 22383..22610, 22406..22618		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-
Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o3.tw	Method	TBLASTX:Wheat
Start	22245	End	22607
GI	none	Score	126
Exons	22245..22382, 22250..22351, 22368..22514, 22406..22501, 22521..22607, 22565..22606		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-
Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o3.tm	Method	TBLASTX:Maize
Start	29105	End	32300
GI	none	Score	274
Exons	29105..29332, 29107..29331, 29129..29332, 29136..29333, 29399..29524, 29400..29525, 29402..29527, 29404..29526, 30074..30145, 30087..30137, 30089..30142, 30224..30403, 30228..30383, 30530..30625, 30531..30626, 30540..30626, 30541..30630, 30817..30912, 30824..30907, 30828..30914, 31000..31080, 31009..31074, 31010..31075, 31013..31090,		

31149..31229, 31165..31227, 31417..31494, 31418..31618,
31577..31618, 32075..32290, 32085..32300

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-
Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o2.tc	Method	TBLASTX:Cress
Start	29116	End	32294
GI	none	Score	64
Exons	29116..29262, 29117..29218, 29284..29331, 29419..29601, 30074..30145, 30093..30140, 30224..30376, 30224..30379, 30225..30380, 30530..30625, 30530..30625, 30531..30626, 30531..30626, 30532..30627, 30817..30906, 30828..30905, 30846..30905, 30850..30906, 31010..31075, 31010..31075, 31012..31074, 31012..31074, 31146..31229, 31146..31181, 31164..31232, 31419..31616, 31421..31618, 32072..32290, 32073..32294		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-
Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o6.ts	Method	TBLASTX:Soybean
Start	29263	End	29526
GI	none	Score	52
Exons	29263..29331, 29264..29332, 29399..29524, 29402..29524, 29404..29526		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-
Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o5.ts	Method	TBLASTX:Soybean
Start	30113	End	31036
GI	none	Score	149
Exons	30113..30145, 30224..30379, 30225..30377, 30530..30625, 30531..30626, 30531..30626, 30532..30627, 30817..30903, 30828..30914, 30831..30911, 31007..31036, 31009..31035		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-
Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o3.ts	Method	TBLASTX:Soybean
Start	31036	End	32300
GI	none	Score	52
Exons	31036..31074, 31037..31075, 31146..31223, 31164..31232, 31421..31618, 31461..31616, 32072..32293, 32073..32300		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-
Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o7.ts	Method	TBLASTX:Soybean
Start	35344	End	35663
GI	none	Score	66
Exons	35344..35424, 35358..35423, 35430..35543, 35461..35523, 35592..35663		

Seq. No.	1392	Seq. ID	OJ990323_24.9B12.C7
Gene No.	2841	Strand	-

Start	39469	End	39572
Name	OJ990323_24.9B12.C7.o8.np	Method	AAT/NAP
Start	39469	End	39572
GI	5852093	Score	82
Exons	39469..39572		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	1393	Seq. ID	OJ990323_24.9B12.C9
Gene No.	2842	Strand	+
Start	7721	End	10782
Name	OJ990323_24.9B12.C9.o2.gs	Method	GENSCAN
Start	7721	End	10782
GI	none	Score	79
Exons	7721..7772, 7876..8001, 9469..9504, 9741..9833, 9924..9989, 10256..10363, 10748..10782		

Seq. No.	1393	Seq. ID	OJ990323_24.9B12.C9
Gene No.	2843	Strand	-
Start	157	End	8645
Name	OJ990323_24.9B12.C9.o1.gs	Method	GENSCAN
Start	157	End	7105
GI	none	Score	.8
Exons	157..227, 377..496, 641..726, 800..872, 953..1675, 3709..4038, 4451..4837, 5012..5135, 5293..5356, 5434..5566, 5659..5758, 5909..6045, 6152..6298, 6385..6435, 7040..7105		

Seq. No.	1393	Seq. ID	OJ990323_24.9B12.C9
Gene No.	2843	Strand	-
Start	157	End	8645
Name	OJ990323_24.9B12.C9.o1.np	Method	AAT/NAP
Start	359	End	8645
GI	2781345	Score	1183
Exons	359..496, 641..726, 800..1063, 1478..1675, 3709..4038, 4451..4968, 5017..5207, 5293..5356, 5434..5577, 5670..5758, 5909..6043, 8614..8645		
GI Descrip.	(AC003113) F2401.2 [Arabidopsis thaliana]		

Seq. No.	1393	Seq. ID	OJ990323_24.9B12.C9
Gene No.	2843	Strand	-
Start	157	End	8645
Name	OJ990323_24.9B12.C9.o1.ts	Method	TBLASTX:Soybean
Start	374	End	3883
GI	none	Score	93
Exons	374..499, 411..497, 635..727, 636..731, 798..875, 947..1063, 951..1064, 3695..3883, 3703..3882		

Seq. No.	1393	Seq. ID	OJ990323_24.9B12.C9
Gene No.	2843	Strand	-
Start	157	End	8645
Name	OJ990323_24.9B12.C9.o2.tm	Method	TBLASTX:Maize
Start	455	End	1132
GI	none	Score	61
Exons	455..499, 456..497, 635..727, 642..728, 794..874, 798..875, 798..875, 800..901, 940..1098, 948..1100, 950..1132		

Seq. No.	1393	Seq. ID	OJ990323_24.9B12.C9
Gene No.	2843	Strand	-

Start 157
 Name OJ990323_24.9B12.C9.o3.tm
 Start 3695
 GI none
 Exons 3695..3889, 3703..3894

End 8645
 Method TBLASTX:Maize
 End 3894
 Score 205

Seq. No. 1393
 Gene No. 2843
 Start 157
 Name OJ990323_24.9B12.C9.o1.tc
 Start 3703
 GI none
 Exons 3703..3735, 3736..4032, 3737..4033

Seq. ID OJ990323_24.9B12.C9
 Strand -
 End 8645
 Method TBLASTX:Cress
 End 4033
 Score 194

Seq. No. 1393
 Gene No. 2843
 Start 157
 Name OJ990323_24.9B12.C9.o1.tm
 Start 4504
 GI none
 Exons 4504..4881, 4505..4894, 4510..4758, 4524..4883, 4877..4927, 4924..5064, 4931..5053, 5081..5206, 5113..5202, 5122..5211, 5429..5542, 5429..5542

Seq. ID OJ990323_24.9B12.C9
 Strand -
 End 8645
 Method TBLASTX:Maize
 End 5542
 Score 205

Seq. No. 1393
 Gene No. 2843
 Start 157
 Name OJ990323_24.9B12.C9.o2.ts
 Start 4538
 GI none
 Exons 4538..4711, 4541..4702, 4765..4815, 4817..4894, 4877..4939, 5102..5206

Seq. ID OJ990323_24.9B12.C9
 Strand -
 End 8645
 Method TBLASTX:Soybean
 End 5206
 Score 100

Seq. No. 1394
 Gene No. 2844
 Start 1
 Name OJ990323_24.9B12.C10.o1.np
 Start 1
 GI 6437552
 Exons 1..272
 GI Descrip. (AC011623) putative dehydroquinase shikimate dehydrogenase [Arabidopsis thaliana]

Seq. ID OJ990323_24.9B12.C10
 Strand +
 End 272
 Method AAT/NAP
 End 272
 Score 289

Seq. No. 1394
 Gene No. 2844
 Start 1
 Name OJ990323_24.9B12.C10.o1.tw
 Start 1
 GI none
 Exons 1..222, 3..218

Seq. ID OJ990323_24.9B12.C10
 Strand +
 End 272
 Method TBLASTX:Wheat
 End 222
 Score 254

Seq. No. 1394
 Gene No. 2844
 Start 1
 Name OJ990323_24.9B12.C10.o1.tm
 Start 1
 GI none

Seq. ID OJ990323_24.9B12.C10
 Strand +
 End 272
 Method TBLASTX:Maize
 End 243
 Score 270

Exons 1..243, 3..242, 7..243

Seq. No. 1394
Gene No. 2844
Start 1
Name OJ990323_24.9B12.C10.o1.ts
Start 1
GI none
Exons 1..270, 3..272

Seq. ID OJ990323_24.9B12.C10
Strand +
End 272
Method TBLASTX:Soybean
End 272
Score 274

Seq. No. 1394
Gene No. 2844
Start 1
Name OJ990323_24.9B12.C10.o1.tc
Start 7
GI none
Exons 7..270, 9..272

Seq. ID OJ990323_24.9B12.C10
Strand +
End 272
Method TBLASTX:Cress
End 272
Score 284

Seq. No. 1395
Gene No. 2845
Start 74
Name OJ990323_24.9B12.C11.o1.gs
Start 74
GI none
Exons 74..178

Seq. ID OJ990323_24.9B12.C11
Strand +
End 178
Method GENSCAN
End 178
Score .7

Seq. No. 1396
Gene No. 2846
Start 318
Name OJ990503_24.9B05.C1.o1.gs
Start 318
GI none
Exons 318..434

Seq. ID OJ990503_24.9B05.C1
Strand +
End 434
Method GENSCAN
End 434
Score .74

Seq. No. 1396
Gene No. 2847
Start 627
Name OJ990503_24.9B05.C1.o1.np
Start 627
GI 5852180
Exons 627..736, 788..1195
GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. ID OJ990503_24.9B05.C1
Strand +
End 1195
Method AAT/NAP
End 1195
Score 422

Seq. No. 1396
Gene No. 2848
Start 737
Name OJ990503_24.9B05.C1.o2.gs
Start 737
GI none
Exons 737..851, 944..1143

Seq. ID OJ990503_24.9B05.C1
Strand -
End 1143
Method GENSCAN
End 1143
Score .64

Seq. No. 1397
Gene No. 2849
Start 10354
Name OJ990503_24.9B05.C3.o3.np
Start 10354
GI 5852180

Seq. ID OJ990503_24.9B05.C3
Strand +
End 13441
Method AAT/NAP
End 13441
Score 85

Exons 10354..10424, 12591..13023, 13412..13441
GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. No. 1397 Seq. ID OJ990503_24.9B05.C3
Gene No. 2849 Strand +
Start 10354 End 13441
Name OJ990503_24.9B05.C3.o3.gp Method AAT/GAP
Start 10888 End 11041
GI uC-osflcyp169h02b1 Score 212
Exons 10888..11041
GI Descrip. '6063530/dbj|AP000615.1|AP000615 3.0e-33 Oryza sativa genomic
DNA, chromosome 3, clone:P0043E01'

Seq. No. 1397 Seq. ID OJ990503_24.9B05.C3
Gene No. 2850 Strand -
Start 58 End 16614
Name OJ990503_24.9B05.C3.o1.gs Method GENSCAN
Start 58 End 15698
GI none Score .41
Exons 58..275, 318..461, 495..649, 780..847, 1354..1399, 1811..2141,
2438..2645, 2829..2987, 3476..3590, 3728..4276, 4420..4543,
4830..4858, 6528..6609, 7149..7439, 7478..7672, 7674..8069,
8474..8550, 9212..9455, 10321..10366, 10405..10627,
11757..11838, 12378..12674, 12772..13132, 14222..14326,
15154..15698

Seq. No. 1397 Seq. ID OJ990503_24.9B05.C3
Gene No. 2850 Strand -
Start 58 End 16614
Name OJ990503_24.9B05.C3.o1.np Method AAT/NAP
Start 1776 End 9122
GI 3645899 Score 3791
Exons 1776..3503, 3632..4949, 8990..9122
GI Descrip. (U68408) 5' end not determined experimentally [Zea mays]

Seq. No. 1397 Seq. ID OJ990503_24.9B05.C3
Gene No. 2850 Strand -
Start 58 End 16614
Name OJ990503_24.9B05.C3.o1.gp Method AAT/GAP
Start 5662 End 6043
GI uC-osflcyp033a04b1 Score 675
Exons 5662..6043
GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic
DNA, chromosome 1, clone:P0711E10'

Seq. No. 1397 Seq. ID OJ990503_24.9B05.C3
Gene No. 2850 Strand -
Start 58 End 16614
Name OJ990503_24.9B05.C3.o2.np Method AAT/NAP
Start 9132 End 9298
GI 4416301 Score 89
Exons 9132..9298
GI Descrip. (AF105716) gag protein [Zea mays]

Seq. No. 1397 Seq. ID OJ990503_24.9B05.C3
Gene No. 2850 Strand -
Start 58 End 16614

Name	OJ990503_24.9B05.C3.o4.gp	Method	AAT/GAP
Start	11042	End	11271
GI	uC-osflcyp033a04b1	Score	387
Exons	11042..11271		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	1397	Seq. ID	OJ990503_24.9B05.C3
Gene No.	2850	Strand	-
Start	58	End	16614
Name	OJ990503_24.9B05.C3.o4.np	Method	AAT/NAP
Start	11737	End	16614
GI	6907087	Score	759
Exons	11737..11838, 12378..13054, 15371..15473, 16335..16614		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1397	Seq. ID	OJ990503_24.9B05.C3
Gene No.	2850	Strand	-
Start	58	End	16614
Name	OJ990503_24.9B05.C3.o5.gp	Method	AAT/GAP
Start	13890	End	14271
GI	uC-osflcyp033a04b1	Score	675
Exons	13890..14271		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	1397	Seq. ID	OJ990503_24.9B05.C3
Gene No.	2851	Strand	-
Start	17870	End	20455
Name	OJ990503_24.9B05.C3.o5.np	Method	AAT/NAP
Start	17447	End	20455
GI	3645898	Score	627
Exons	17447..17594, 17667..18020, 18089..19216, 20422..20455		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	1397	Seq. ID	OJ990503_24.9B05.C3
Gene No.	2851	Strand	-
Start	17870	End	20455
Name	OJ990503_24.9B05.C3.o2.gs	Method	GENSCAN
Start	17870	End	19246
GI	none	Score	1
Exons	17870..19246		

Seq. No.	1397	Seq. ID	OJ990503_24.9B05.C3
Gene No.	2852	Strand	-
Start	25372	End	25674
Name	OJ990503_24.9B05.C3.o2.tm	Method	TBLASTX:Maize
Start	1782	End	2353
GI	none	Score	167
Exons	1782..2165, 1782..2165, 1840..2166, 2147..2353, 2165..2353		

Seq. No.	1397	Seq. ID	OJ990503_24.9B05.C3
Gene No.	2852	Strand	-
Start	25372	End	25674

Name	OJ990503_24.9B05.C3.o2.ts	Method	TBLASTX:Soybean
Start	1791	End	2425
GI	none	Score	67
Exons	1791..2024, 2034..2165, 2044..2163, 2165..2425		
Seq. No.	1397	Seq. ID	OJ990503_24.9B05.C3
Gene No.	2852	Strand	-
Start	25372	End	25674
Name	OJ990503_24.9B05.C3.o2.tc	Method	TBLASTX:Cress
Start	1794	End	2245
GI	none	Score	51
Exons	1794..2039, 2025..2159, 2168..2245		
Seq. No.	1397	Seq. ID	OJ990503_24.9B05.C3
Gene No.	2852	Strand	-
Start	25372	End	25674
Name	OJ990503_24.9B05.C3.o3.tw	Method	TBLASTX:Wheat
Start	2210	End	2626
GI	none	Score	90
Exons	2210..2446, 2462..2626		
Seq. No.	1397	Seq. ID	OJ990503_24.9B05.C3
Gene No.	2852	Strand	-
Start	25372	End	25674
Name	OJ990503_24.9B05.C3.o5.tm	Method	TBLASTX:Maize
Start	2357	End	2647
GI	none	Score	112
Exons	2357..2647, 2358..2441, 2360..2533, 2487..2627		
Seq. No.	1397	Seq. ID	OJ990503_24.9B05.C3
Gene No.	2852	Strand	-
Start	25372	End	25674
Name	OJ990503_24.9B05.C3.o3.tm	Method	TBLASTX:Maize
Start	2668	End	3136
GI	none	Score	503
Exons	2668..3132, 2669..3136, 2670..3134		
Seq. No.	1397	Seq. ID	OJ990503_24.9B05.C3
Gene No.	2852	Strand	-
Start	25372	End	25674
Name	OJ990503_24.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	2796	End	3379
GI	5509260	Score	270
Exons	2796..3179, 2796..3023, 2797..3024, 2798..3178, 3181..3378, 3181..3378, 3182..3379		
GI Descrip.	-		
Seq. No.	1397	Seq. ID	OJ990503_24.9B05.C3
Gene No.	2852	Strand	-
Start	25372	End	25674
Name	OJ990503_24.9B05.C3.o1.tw	Method	TBLASTX:Wheat
Start	2804	End	3237
GI	none	Score	160
Exons	2804..3154, 2810..3175, 3181..3237		
Seq. No.	1397	Seq. ID	OJ990503_24.9B05.C3
Gene No.	2852	Strand	-

Start 25372
 Name OJ990503_24.9B05.C3.o3.tc
 Start 2915
 GI none
 Exons 2915..3193, 2934..3191

End 25674
 Method TBLASTX:Cress
 End 3193
 Score 85

Seq. No. 1397
 Gene No. 2852
 Start 25372
 Name OJ990503_24.9B05.C3.o6.tm
 Start 3137
 GI none
 Exons 3137..3193, 3138..3191, 3161..3412, 3181..3405, 3181..3417

Seq. ID OJ990503_24.9B05.C3
 Strand -
 End 25674
 Method TBLASTX:Maize
 End 3417
 Score 49

Seq. No. 1397
 Gene No. 2852
 Start 25372
 Name OJ990503_24.9B05.C3.o1.tm
 Start 3774
 GI none
 Exons 3774..4235, 3787..4215, 3788..4234, 4214..4363, 4223..4363, 4362..4406, 4364..4435, 4369..4437

Seq. ID OJ990503_24.9B05.C3
 Strand -
 End 25674
 Method TBLASTX:Maize
 End 4437
 Score 408

Seq. No. 1397
 Gene No. 2852
 Start 25372
 Name OJ990503_24.9B05.C3.o4.tw
 Start 3774
 GI none
 Exons 3774..3923, 3774..3911, 3787..3936, 3942..4013

Seq. ID OJ990503_24.9B05.C3
 Strand -
 End 25674
 Method TBLASTX:Wheat
 End 4013
 Score 80

Seq. No. 1397
 Gene No. 2852
 Start 25372
 Name OJ990503_24.9B05.C3.o3.ts
 Start 3795
 GI none
 Exons 3795..4235

Seq. ID OJ990503_24.9B05.C3
 Strand -
 End 25674
 Method TBLASTX:Soybean
 End 4235
 Score 283

Seq. No. 1397
 Gene No. 2852
 Start 25372
 Name OJ990503_24.9B05.C3.o1.tc
 Start 3798
 GI none
 Exons 3798..4220

Seq. ID OJ990503_24.9B05.C3
 Strand -
 End 25674
 Method TBLASTX:Cress
 End 4220
 Score 206

Seq. No. 1397
 Gene No. 2852
 Start 25372
 Name OJ990503_24.9B05.C3.o2.tw
 Start 4101
 GI none
 Exons 4101..4235, 4102..4212, 4104..4226, 4223..4384, 4245..4388, 4336..4410, 4386..4412, 4424..4480, 4441..4671, 4454..4480, 4484..4669

Seq. ID OJ990503_24.9B05.C3
 Strand -
 End 25674
 Method TBLASTX:Wheat
 End 4671
 Score 68

Seq. No.	1397	Seq. ID	OJ990503_24.9B05.C3
Gene No.	2852	Strand	-
Start	25372	End	25674
Name	OJ990503_24.9B05.C3.o4.tm	Method	TBLASTX:Maize
Start	4439	End	4830
GI	none	Score	215
Exons	4439..4480, 4480..4713, 4484..4714, 4711..4830, 4715..4828		

Seq. No.	1397	Seq. ID	OJ990503_24.9B05.C3
Gene No.	2852	Strand	-
Start	25372	End	25674
Name	OJ990503_24.9B05.C3.o7.tm	Method	TBLASTX:Maize
Start	18539	End	18943
GI	none	Score	79
Exons	18539..18943, 18680..18904		

Seq. No.	1397	Seq. ID	OJ990503_24.9B05.C3
Gene No.	2852	Strand	-
Start	25372	End	25674
Name	OJ990503_24.9B05.C3.o8.tm	Method	TBLASTX:Maize
Start	23856	End	24026
GI	none	Score	205
Exons	23856..24026, 23865..24026		

Seq. No.	1397	Seq. ID	OJ990503_24.9B05.C3
Gene No.	2852	Strand	-
Start	25372	End	25674
Name	OJ990503_24.9B05.C3.o4.gs	Method	GENSCAN
Start	25372	End	25674
GI	none	Score	.67
Exons	25372..25434, 25525..25674		

Seq. No.	1398	Seq. ID	OJ990503_24.9B05.C4
Gene No.	2853	Strand	+
Start	4187	End	7378
Name	OJ990503_24.9B05.C4.o2.gs	Method	GENSCAN
Start	4187	End	7378
GI	none	Score	.48
Exons	4187..4242, 4880..5070, 7272..7378		

Seq. No.	1398	Seq. ID	OJ990503_24.9B05.C4
Gene No.	2853	Strand	+
Start	4187	End	7378
Name	OJ990503_24.9B05.C4.o1.np	Method	AAT/NAP
Start	4933	End	6881
GI	4680186	Score	199
Exons	4933..5000, 6680..6881		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	1398	Seq. ID	OJ990503_24.9B05.C4
Gene No.	2854	Strand	-
Start	812	End	1532
Name	OJ990503_24.9B05.C4.o1.gs	Method	GENSCAN
Start	812	End	1532
GI	none	Score	.46
Exons	812..946, 1434..1532		

Seq. No.	1398	Seq. ID	OJ990503_24.9B05.C4
Gene No.	2855	Strand	-
Start	7271	End	9668
Name	OJ990503_24.9B05.C4.o2.np	Method	AAT/NAP
Start	7271	End	9029
GI	6907087	Score	894
Exons	7271..7372, 7911..8616, 8661..9029		
GI Descrip.	(AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1398	Seq. ID	OJ990503_24.9B05.C4
Gene No.	2855	Strand	-
Start	7271	End	9668
Name	OJ990503_24.9B05.C4.o3.gs	Method	GENSCAN
Start	7810	End	9668
GI	none	Score	.41
Exons	7810..7868, 7911..8094, 8123..8731, 9600..9668		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2856	Strand	+
Start	7709	End	12951
Name	OJ990503_24.9B05.C5.o3.np	Method	AAT/NAP
Start	7709	End	9325
GI	5852180	Score	518
Exons	7709..7765, 8744..8862, 8914..9325		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2856	Strand	+
Start	7709	End	12951
Name	OJ990503_24.9B05.C5.o4.np	Method	AAT/NAP
Start	9077	End	12951
GI	6907106	Score	444
Exons	9077..9278, 10658..10731, 12298..12631, 12710..12951		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2857	Strand	+
Start	13003	End	13302
Name	OJ990503_24.9B05.C5.o3.gp	Method	AAT/GAP
Start	13003	End	13302
GI	15591_1.R1084	Score	440
Exons	13003..13302		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 2.0e-14 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2858	Strand	-
Start	634	End	7706
Name	OJ990503_24.9B05.C5.o1.gs	Method	GENSCAN
Start	634	End	5666
GI	none	Score	.69
Exons	634..813, 1287..3718, 3869..4246, 4475..5666		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
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Gene No.	2858	Strand	-
Start	634	End	7706
Name	OJ990503_24.9B05.C5.o1.np	Method	AAT/NAP
Start	1152	End	5666
GI	4680179	Score	5306
Exons	1152..4550, 4584..5666		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2858	Strand	-
Start	634	End	7706
Name	OJ990503_24.9B05.C5.o2.np	Method	AAT/NAP
Start	4786	End	6661
GI	5042448	Score	130
Exons	4786..4828, 6005..6109, 6143..6661		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2858	Strand	-
Start	634	End	7706
Name	OJ990503_24.9B05.C5.o2.gs	Method	GENSCAN
Start	5915	End	7706
GI	none	Score	.88
Exons	5915..6724, 7662..7706		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2859	Strand	-
Start	7614	End	7995
Name	OJ990503_24.9B05.C5.o1.gp	Method	AAT/GAP
Start	7614	End	7995
GI	uC-osflcyp033a04b1	Score	679
Exons	7614..7995		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o9.tm	Method	TBLASTX:Maize
Start	1144	End	1373
GI	none	Score	40
Exons	1144..1200, 1176..1373, 1267..1362		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o6.tw	Method	TBLASTX:Wheat
Start	1197	End	1530
GI	none	Score	101
Exons	1197..1529, 1218..1526, 1261..1530		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o1.tm	Method	TBLASTX:Maize
Start	1377	End	1976

GI	none	Score	119
Exons	1377..1817, 1392..1655, 1393..1818, 1815..1976, 1822..1968		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o1.tw	Method	TBLASTX:Wheat
Start	1530	End	2156
GI	none	Score	241
Exons	1530..2156, 1531..1968, 1815..2063		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o5.tm	Method	TBLASTX:Maize
Start	2025	End	2317
GI	none	Score	205
Exons	2025..2315, 2029..2316, 2162..2317		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o3.ts	Method	TBLASTX:Soybean
Start	2115	End	2375
GI	none	Score	138
Exons	2115..2375, 2116..2370		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o2.tw	Method	TBLASTX:Wheat
Start	2163	End	2730
GI	none	Score	328
Exons	2163..2699, 2164..2730		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o3.tm	Method	TBLASTX:Maize
Start	2721	End	3084
GI	none	Score	165
Exons	2721..3083, 2730..3083, 2782..3084		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o3.tw	Method	TBLASTX:Wheat
Start	2733	End	3155
GI	none	Score	222
Exons	2733..3155, 2745..3092, 2767..3123		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o4.ts	Method	TBLASTX:Soybean
Start	2904	End	3149
GI	none	Score	90

Exons 2904..3149, 2905..3132

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o4.tm	Method	TBLASTX:Maize
Start	3120	End	3620
GI	none	Score	50
Exons	3120..3434, 3163..3213, 3241..3291, 3441..3620		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o5.tw	Method	TBLASTX:Wheat
Start	3156	End	3458
GI	none	Score	186
Exons	3156..3458, 3162..3455, 3172..3456		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o2.ts	Method	TBLASTX:Soybean
Start	3171	End	3566
GI	none	Score	133
Exons	3171..3443, 3171..3530, 3172..3462, 3493..3528, 3497..3529, 3534..3566, 3535..3564		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o4.tw	Method	TBLASTX:Wheat
Start	3507	End	3993
GI	none	Score	241
Exons	3507..3884, 3550..3993, 3604..3915, 3939..3989		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o6.tm	Method	TBLASTX:Maize
Start	3633	End	4019
GI	none	Score	244
Exons	3633..4019		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o8.tw	Method	TBLASTX:Wheat
Start	4158	End	4527
GI	none	Score	68
Exons	4158..4271, 4159..4272, 4317..4526, 4318..4527		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o7.tw	Method	TBLASTX:Wheat
Start	4842	End	5193
GI	none	Score	102

Exons 4842..5192, 4993..5193

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o8.tm	Method	TBLASTX:Maize
Start	4896	End	5192
GI	none	Score	79
Exons	4896..5192, 5062..5178		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o9.tw	Method	TBLASTX:Wheat
Start	5226	End	5486
GI	none	Score	61
Exons	5226..5318, 5227..5403, 5229..5426, 5352..5486		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o7.tm	Method	TBLASTX:Maize
Start	12480	End	12854
GI	none	Score	152
Exons	12480..12608, 12503..12634, 12521..12631, 12523..12693, 12525..12599, 12526..12633, 12649..12717, 12649..12726, 12686..12766, 12707..12742, 12722..12769, 12724..12849, 12725..12853, 12742..12840, 12743..12772, 12790..12852, 12795..12854		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o2.tm	Method	TBLASTX:Maize
Start	17556	End	18022
GI	none	Score	260
Exons	17556..17828, 17560..17784, 17561..17875, 17561..17869, 17867..17920, 17867..18022, 17874..18017, 17978..18022		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o5.np	Method	AAT/NAP
Start	17559	End	19319
GI	6911885	Score	634
Exons	17559..18041, 19263..19319		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o1.ts	Method	TBLASTX:Soybean
Start	17600	End	18029
GI	none	Score	187
Exons	17600..17875, 17600..17860, 17867..18028, 17874..18029		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
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Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o4.gp	Method	AAT/GAP
Start	17629	End	18051
GI	41520_1.R1084	Score	689
Exons	17629..18051		
GI Descrip.	'3913202/sp O14007 CBF5_SCHPO 2.0e-78 CENTROMERE/MICROTUBULE BINDING PROTEIN CBF5 (CENTROMERE-BINDING FACTOR 5) (NUCLEOLAR PROTEIN CBF5) >gi_2239214_emb_CAB10131.1_ (Z97210) centromere/microtubule binding protein cbf5 [Schizosaccharomyces pombe]'		

Seq. No.	1399	Seq. ID	OJ990503_24.9B05.C5
Gene No.	2860	Strand	-
Start	17559	End	19319
Name	OJ990503_24.9B05.C5.o1.tc	Method	TBLASTX:Cress
Start	17732	End	18041
GI	none	Score	83
Exons	17732..17869, 17738..17851, 17867..18040, 17880..18041		

Seq. No.	1400	Seq. ID	OJ990503_24.9B05.C6
Gene No.	2861	Strand	+
Start	1372	End	2237
Name	OJ990503_24.9B05.C6.o1.gs	Method	GENSCAN
Start	1372	End	2237
GI	none	Score	.54
Exons	1372..1432, 2146..2237		

Seq. No.	1400	Seq. ID	OJ990503_24.9B05.C6
Gene No.	2862	Strand	-
Start	2853	End	3647
Name	OJ990503_24.9B05.C6.o2.gs	Method	GENSCAN
Start	2853	End	3647
GI	none	Score	.48
Exons	2853..3203, 3546..3647		

Seq. No.	1401	Seq. ID	OJ990503_24.9B05.C7
Gene No.	2863	Strand	+
Start	182	End	3980
Name	OJ990503_24.9B05.C7.o1.gp	Method	AAT/GAP
Start	182	End	3980
GI	none	Score	2167
Exons	182..260, 870..951, 2150..2262, 2996..3213, 3316..3980		

Seq. No.	1401	Seq. ID	OJ990503_24.9B05.C7
Gene No.	2863	Strand	+
Start	182	End	3980
Name	OJ990503_24.9B05.C7.o1.gs	Method	GENSCAN
Start	261	End	3696
GI	none	Score	.9
Exons	261..392, 1410..1593, 2150..2262, 2996..3141, 3316..3696		

Seq. No.	1401	Seq. ID	OJ990503_24.9B05.C7
Gene No.	2864	Strand	-
Start	4035	End	6268
Name	OJ990503_24.9B05.C7.o2.gs	Method	GENSCAN
Start	4035	End	6268

GI	none	Score	.52
Exons	4035..4073, 4401..4526, 5500..5751, 6203..6268		
Seq. No.	1401	Seq. ID	OJ990503_24.9B05.C7
Gene No.	2864	Strand	-
Start	4035	End	6268
Name	OJ990503_24.9B05.C7.o1.np	Method	AAT/NAP
Start	4290	End	5997
GI	6721512	Score	87
Exons	4290..4332, 5742..5878, 5906..5997		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	1402	Seq. ID	OJ990503_24.9B05.C8
Gene No.	2865	Strand	+
Start	1	End	412
Name	OJ990503_24.9B05.C8.o1.np	Method	AAT/NAP
Start	1	End	412
GI	6063554	Score	127
Exons	1..139, 242..412		
GI Descrip.	(AP000615) ESTs AU075609(C63344), C71850(E0464), C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	1402	Seq. ID	OJ990503_24.9B05.C8
Gene No.	2866	Strand	+
Start	1818	End	6021
Name	OJ990503_24.9B05.C8.o1.gs	Method	GENSCAN
Start	1818	End	6021
GI	none	Score	.65
Exons	1818..1946, 4135..4186, 4531..4782, 5711..6021		
Seq. No.	1402	Seq. ID	OJ990503_24.9B05.C8
Gene No.	2867	Strand	+
Start	7739	End	12631
Name	OJ990503_24.9B05.C8.o3.np	Method	AAT/NAP
Start	7739	End	12631
GI	5295955	Score	565
Exons	7739..7764, 10186..10255, 10799..10913, 11595..12631		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	1402	Seq. ID	OJ990503_24.9B05.C8
Gene No.	2868	Strand	+
Start	14636	End	25336
Name	OJ990503_24.9B05.C8.o2.gp	Method	AAT/GAP
Start	14634	End	15770
GI	none	Score	1199
Exons	14634..14892, 14973..15065, 15160..15348, 15433..15565, 15738..15770		
Seq. No.	1402	Seq. ID	OJ990503_24.9B05.C8
Gene No.	2868	Strand	+
Start	14636	End	25336
Name	OJ990503_24.9B05.C8.o3.gs	Method	GENSCAN
Start	14636	End	24720
GI	none	Score	.73
Exons	14636..14892, 15160..15348, 15502..15570, 16312..16537,		

17212..17404, 17489..17531, 19478..19695, 19697..19835,
20747..20960, 21364..21540, 22166..22321, 22471..22515,
23657..23752, 24412..24483, 24616..24720

Seq. No.	1402	Seq. ID	OJ990503_24.9B05.C8
Gene No.	2868	Strand	+
Start	14636	End	25336
Name	OJ990503_24.9B05.C8.o3.gp	Method	AAT/GAP
Start	15734	End	15816
GI	uC-osflcyp171a04a1	Score	104
Exons	15734..15816		
GI Descrip.	'4680178/gb AF111709.1 AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	1402	Seq. ID	OJ990503_24.9B05.C8
Gene No.	2868	Strand	+
Start	14636	End	25336
Name	OJ990503_24.9B05.C8.o5.np	Method	AAT/NAP
Start	16321	End	20272
GI	4680190	Score	194
Exons	16321..16537, 17212..17457, 17538..17674, 20200..20272		
GI Descrip.	(AF111710) putative dnaJ-like protein [Oryza sativa subsp. indica]		

Seq. No.	1402	Seq. ID	OJ990503_24.9B05.C8
Gene No.	2868	Strand	+
Start	14636	End	25336
Name	OJ990503_24.9B05.C8.o4.gp	Method	AAT/GAP
Start	17293	End	17866
GI	60252_1.R1084	Score	915
Exons	17293..17404, 17489..17866		
GI Descrip.	'4680190/gb AAD27555.1 AF111710_1 9.0e-13 (AF111710) putative dnaJ-like protein [Oryza sativa subsp. indica]'		

Seq. No.	1402	Seq. ID	OJ990503_24.9B05.C8
Gene No.	2868	Strand	+
Start	14636	End	25336
Name	OJ990503_24.9B05.C8.o6.np	Method	AAT/NAP
Start	19719	End	25336
GI	4826998	Score	33
Exons	19719..19858, 20566..20634, 20736..20956, 21340..21520, 25286..25336		
GI Descrip.	splicing factor proline/glutamine rich (polypyrimidine tract-binding protein-associated) gi 1709851 sp P23246 PSF_HUMAN PTB-ASSOCIATED SPLICING FACTOR (PSF) gi 423054 pir A46302 PTB-associated splicing factor, long form - human gi 38458 emb CAA50283 (X70944) PTB-associated splicing factor [Homo sapiens]		

Seq. No.	1402	Seq. ID	OJ990503_24.9B05.C8
Gene No.	2868	Strand	+
Start	14636	End	25336
Name	OJ990503_24.9B05.C8.o6.gp	Method	AAT/GAP
Start	21280	End	22265
GI	2428428	Score	649
Exons	21280..21540, 22166..22265		

Seq. No.	1402	Seq. ID	OJ990503_24.9B05.C8
Gene No.	2868	Strand	+
Start	14636	End	25336
Name	OJ990503_24.9B05.C8.o7.np	Method	AAT/NAP
Start	21331	End	24717
GI	4589974	Score	730
Exons	21331..21526, 22158..22515, 22992..23226, 23657..23752, 24412..24483, 24616..24717		
GI Descrip.	(AC007195) unknown protein [Arabidopsis thaliana]		

Seq. No.	1402	Seq. ID	OJ990503_24.9B05.C8
Gene No.	2868	Strand	+
Start	14636	End	25336
Name	OJ990503_24.9B05.C8.o8.np	Method	AAT/NAP
Start	24625	End	24717
GI	2498887	Score	77
Exons	24625..24717		
GI Descrip.	3-OXO-5-ALPHA-STEROID 4-DEHYDROGENASE 1 (STEROID 5-ALPHA-REDUCTASE 1) (SR TYPE 1) gi 999036 bbs 164548 (S77162) steroid 5 alpha-reductase type 1 isoenzyme, SR type 1 [Cynomolgus monkeys, prostate, Peptide, 263 aa] [Macaca fascicularis]		

Seq. No.	1402	Seq. ID	OJ990503_24.9B05.C8
Gene No.	2869	Strand	-
Start	2698	End	4136
Name	OJ990503_24.9B05.C8.o1.gp	Method	AAT/GAP
Start	2698	End	4136
GI	20088_1.R1084	Score	2264
Exons	2698..3807, 4051..4136		
GI Descrip.	'6041757/gb AC011806.1 AC011806 3.0e-72 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	1402	Seq. ID	OJ990503_24.9B05.C8
Gene No.	2870	Strand	-
Start	4760	End	14670
Name	OJ990503_24.9B05.C8.o2.np	Method	AAT/NAP
Start	4760	End	8859
GI	3036805	Score	208
Exons	4760..4882, 6639..6789, 8764..8859		
GI Descrip.	(AL022373) thaumatin-like protein [Arabidopsis thaliana]		

Seq. No.	1402	Seq. ID	OJ990503_24.9B05.C8
Gene No.	2870	Strand	-
Start	4760	End	14670
Name	OJ990503_24.9B05.C8.o2.gs	Method	GENSCAN
Start	6483	End	13538
GI	none	Score	.44
Exons	6483..6576, 6658..6792, 8218..8251, 8745..8954, 11316..11379, 11716..11896, 11990..12103, 12346..12499, 13155..13260, 13443..13538		

Seq. No.	1402	Seq. ID	OJ990503_24.9B05.C8
Gene No.	2870	Strand	-
Start	4760	End	14670

Name	OJ990503_24.9B05.C8.o4.np	Method	AAT/NAP
Start	13364	End	14670
GI	5777617	Score	63
Exons	13364..13462, 14644..14670		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	1402	Seq. ID	OJ990503_24.9B05.C8
Gene No.	2871	Strand	-
Start	20895	End	21000
Name	OJ990503_24.9B05.C8.o5.gp	Method	AAT/GAP
Start	20895	End	21000
GI	2428428	Score	99
Exons	20895..21000		

Seq. No.	1402	Seq. ID	OJ990503_24.9B05.C8
Gene No.	2872	Strand	-
Start	23089	End	24494
Name	OJ990503_24.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	23089	End	24494
GI	none	Score	212
Exons	23089..23226, 23091..23225, 23096..23233, 23150..23227, 23656..23772, 23657..23752, 24395..24481, 24395..24472, 24412..24486, 24414..24494		

Seq. No.	1403	Seq. ID	OJ990503_24.9B05.C9
Gene No.	2873	Strand	+
Start	333	End	438
Name	OJ990503_24.9B05.C9.o1.gs	Method	GENSCAN
Start	333	End	438
GI	none	Score	.49
Exons	333..438		

Seq. No.	1404	Seq. ID	OJ990503_24.9B05.C10
Gene No.	2874	Strand	+
Start	1	End	7911
Name	OJ990503_24.9B05.C10.o1.np	Method	AAT/NAP
Start	1	End	7911
GI	5852180	Score	387
Exons	1..48, 101..546, 2801..2839, 7819..7911		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	1404	Seq. ID	OJ990503_24.9B05.C10
Gene No.	2874	Strand	+
Start	1	End	7911
Name	OJ990503_24.9B05.C10.o1.gs	Method	GENSCAN
Start	43	End	4664
GI	none	Score	.69
Exons	43..178, 331..586, 1296..2060, 2062..2314, 4650..4664		

Seq. No.	1404	Seq. ID	OJ990503_24.9B05.C10
Gene No.	2875	Strand	-
Start	7036	End	7708
Name	OJ990503_24.9B05.C10.o2.gs	Method	GENSCAN
Start	7036	End	7527
GI	none	Score	.59
Exons	7036..7079, 7470..7527		

Seq. No.	1404	Seq. ID	OJ990503_24.9B05.C10
Gene No.	2875	Strand	-
Start	7036	End	7708
Name	OJ990503_24.9B05.C10.o2.np	Method	AAT/NAP
Start	7261	End	7708
GI	6815053	Score	377
Exons	7261..7505, 7551..7708		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	1405	Seq. ID	OJ990503_24.9B05.C11
Gene No.	2876	Strand	+
Start	1	End	3423
Name	OJ990503_24.9B05.C11.o2.np	Method	AAT/NAP
Start	1	End	2171
GI	6721512	Score	73
Exons	1..82, 721..882, 2117..2171		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	1405	Seq. ID	OJ990503_24.9B05.C11
Gene No.	2876	Strand	+
Start	1	End	3423
Name	OJ990503_24.9B05.C11.o1.gs	Method	GENSCAN
Start	836	End	3423
GI	none	Score	.47
Exons	836..930, 1057..1339, 1425..1828, 2549..2624, 3239..3423		

Seq. No.	1405	Seq. ID	OJ990503_24.9B05.C11
Gene No.	2876	Strand	+
Start	1	End	3423
Name	OJ990503_24.9B05.C11.o3.np	Method	AAT/NAP
Start	1320	End	3309
GI	6721512	Score	53
Exons	1320..1367, 3192..3309		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	1405	Seq. ID	OJ990503_24.9B05.C11
Gene No.	2877	Strand	-
Start	1	End	1746
Name	OJ990503_24.9B05.C11.o1.np	Method	AAT/NAP
Start	1	End	1746
GI	6721516	Score	245
Exons	1..326, 1624..1746		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	1406	Seq. ID	OJ990503_24.9B05.C12
Gene No.	2878	Strand	+
Start	254	End	385
Name	OJ990503_24.9B05.C12.o1.gs	Method	GENSCAN
Start	254	End	385
GI	none	Score	.96
Exons	254..385		

Seq. No.	1407	Seq. ID	OJ990503_24.9B05.C13
Gene No.	2879	Strand	+
Start	1450	End	2322
Name	OJ990503_24.9B05.C13.o1.gs	Method	GENSCAN
Start	1450	End	2322

GI	none	Score	.51
Exons	1450..1464, 2002..2124, 2290..2322		
Seq. No.	1407	Seq. ID	OJ990503_24.9B05.C13
Gene No.	2880	Strand	-
Start	3304	End	5228
Name	OJ990503_24.9B05.C13.o3.tm	Method	TBLASTX:Maize
Start	3017	End	3340
GI	none	Score	50
Exons	3017..3061, 3019..3054, 3086..3211, 3108..3200, 3109..3201, 3116..3205, 3249..3338, 3250..3339, 3251..3340		

Seq. No.	1407	Seq. ID	OJ990503_24.9B05.C13
Gene No.	2880	Strand	-
Start	3304	End	5228
Name	OJ990503_24.9B05.C13.o1.np	Method	AAT/NAP
Start	3214	End	5228
GI	6630696	Score	2399
Exons	3214..4735, 5161..5228		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	1407	Seq. ID	OJ990503_24.9B05.C13
Gene No.	2880	Strand	-
Start	3304	End	5228
Name	OJ990503_24.9B05.C13.o2.gs	Method	GENSCAN
Start	3304	End	4671
GI	none	Score	1
Exons	3304..4671		

Seq. No.	1407	Seq. ID	OJ990503_24.9B05.C13
Gene No.	2880	Strand	-
Start	3304	End	5228
Name	OJ990503_24.9B05.C13.o1.tw	Method	TBLASTX:Wheat
Start	3350	End	3825
GI	none	Score	389
Exons	3350..3736, 3351..3734, 3352..3735, 3751..3825, 3752..3820, 3765..3824		

Seq. No.	1407	Seq. ID	OJ990503_24.9B05.C13
Gene No.	2880	Strand	-
Start	3304	End	5228
Name	OJ990503_24.9B05.C13.o3.ts	Method	TBLASTX:Soybean
Start	3478	End	3819
GI	none	Score	93
Exons	3478..3687, 3557..3682, 3706..3819		

Seq. No.	1407	Seq. ID	OJ990503_24.9B05.C13
Gene No.	2880	Strand	-
Start	3304	End	5228
Name	OJ990503_24.9B05.C13.o1.tm	Method	TBLASTX:Maize
Start	3682	End	4029
GI	none	Score	287
Exons	3682..4029, 3683..4015		

Seq. No.	1407	Seq. ID	OJ990503_24.9B05.C13
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Gene No.	2880	Strand	-
Start	3304	End	5228
Name	OJ990503_24.9B05.C13.o2.tw	Method	TBLASTX:Wheat
Start	3826	End	4563
GI	none	Score	70
Exons	3826..3879, 4033..4239, 4234..4563, 4286..4423		

Seq. No.	1407	Seq. ID	OJ990503_24.9B05.C13
Gene No.	2880	Strand	-
Start	3304	End	5228
Name	OJ990503_24.9B05.C13.o2.ts	Method	TBLASTX:Soybean
Start	3832	End	4180
GI	none	Score	65
Exons	3832..4020, 3833..4018, 4021..4179, 4052..4180		

Seq. No.	1407	Seq. ID	OJ990503_24.9B05.C13
Gene No.	2880	Strand	-
Start	3304	End	5228
Name	OJ990503_24.9B05.C13.o2.tm	Method	TBLASTX:Maize
Start	4114	End	4572
GI	none	Score	97
Exons	4114..4572, 4229..4423, 4500..4565		

Seq. No.	1407	Seq. ID	OJ990503_24.9B05.C13
Gene No.	2880	Strand	-
Start	3304	End	5228
Name	OJ990503_24.9B05.C13.o1.ts	Method	TBLASTX:Soybean
Start	4249	End	4713
GI	5509260	Score	82
Exons	4249..4713, 4268..4426, 4487..4618		
GI Descrip.	-		

Seq. No.	1407	Seq. ID	OJ990503_24.9B05.C13
Gene No.	2880	Strand	-
Start	3304	End	5228
Name	OJ990503_24.9B05.C13.o1.tc	Method	TBLASTX:Cress
Start	4360	End	4620
GI	none	Score	91
Exons	4360..4620, 4475..4618, 4504..4620		

Seq. No.	1407	Seq. ID	OJ990503_24.9B05.C13
Gene No.	2880	Strand	-
Start	3304	End	5228
Name	OJ990503_24.9B05.C13.o1.gp	Method	AAT/GAP
Start	5103	End	5228
GI	uC-osflcyp121e07b1	Score	138
Exons	5103..5228		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 7.0e-19 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2881	Strand	+
Start	9113	End	9214
Name	OJ990503_24.9B05.C14.o1.gp	Method	AAT/GAP
Start	9113	End	9214
GI	uC-osflcyp121e07b1	Score	133
Exons	9113..9214		

GI Descrip. '5257255/dbj|AP000364.1|AP000364 7.0e-19 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'

Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o1.np	Method	AAT/NAP
Start	1	End	5189
GI	5257279	Score	6306
Exons	1..769, 884..1054, 1271..4077, 4114..4295, 4644..5189		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o1.tm	Method	TBLASTX:Maize
Start	8	End	592
GI	none	Score	267
Exons	8..436, 9..437, 254..448, 366..437, 430..564, 434..592, 438..590		

Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o1.tw	Method	TBLASTX:Wheat
Start	149	End	760
GI	none	Score	331
Exons	149..760, 150..719		

Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o1.gs	Method	GENSCAN
Start	281	End	9455
GI	none	Score	.45
Exons	281..562, 932..1255, 1556..2145, 2209..4178, 4195..5222, 7966..8083, 8331..8742, 9200..9455		

Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o4.tm	Method	TBLASTX:Maize
Start	644	End	936
GI	none	Score	222
Exons	644..934, 648..935, 796..936		

Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o2.ts	Method	TBLASTX:Soybean
Start	737	End	983
GI	none	Score	115
Exons	737..982, 738..983		

Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455

Name	OJ990503_24.9B05.C14.o1.tc	Method	TBLASTX:Cress
Start	759	End	1075
GI	none	Score	94
Exons	759..899, 791..901, 902..1075, 954..1067		
Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o3.tw	Method	TBLASTX:Wheat
Start	791	End	1271
GI	none	Score	316
Exons	791..1270, 795..1271		
Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o2.tw	Method	TBLASTX:Wheat
Start	1271	End	1774
GI	none	Score	293
Exons	1271..1774, 1272..1739, 1433..1765		
Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o2.tm	Method	TBLASTX:Maize
Start	1463	End	1904
GI	none	Score	204
Exons	1463..1903, 1476..1904		
Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o3.ts	Method	TBLASTX:Soybean
Start	1523	End	1768
GI	none	Score	197
Exons	1523..1768		
Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o5.tw	Method	TBLASTX:Wheat
Start	1775	End	2077
GI	none	Score	254
Exons	1775..2077, 1779..2075		
Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o1.ts	Method	TBLASTX:Soybean
Start	1790	End	2185
GI	none	Score	217
Exons	1790..2149, 1800..2078, 2153..2185, 2156..2185		
Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o6.tm	Method	TBLASTX:Maize

Start	1908	End	2071
GI	none	Score	142
Exons	1908..2066, 1910..2071, 1916..2071		

Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o3.tm	Method	TBLASTX:Maize
Start	2072	End	2542
GI	none	Score	389
Exons	2072..2542		

Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o4.tw	Method	TBLASTX:Wheat
Start	2126	End	2608
GI	none	Score	136
Exons	2126..2608, 2168..2488, 2301..2597		

Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o4.ts	Method	TBLASTX:Soybean
Start	2258	End	2542
GI	none	Score	184
Exons	2258..2542		

Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o7.tm	Method	TBLASTX:Maize
Start	2543	End	2705
GI	none	Score	145
Exons	2543..2704, 2544..2705		

Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o7.tw	Method	TBLASTX:Wheat
Start	2780	End	3157
GI	none	Score	72
Exons	2780..2902, 2781..2870, 2936..3157, 3036..3104		

Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o5.tm	Method	TBLASTX:Maize
Start	2840	End	3163
GI	none	Score	38
Exons	2840..2980, 2840..3163, 3039..3083		

Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o6.tw	Method	TBLASTX:Wheat
Start	3710	End	4096

GI	none	Score	79
Exons	3710..3856, 3720..3923, 3881..4096, 3896..4060		
Seq. No.	1408	Seq. ID	OJ990503_24.9B05.C14
Gene No.	2882	Strand	-
Start	1	End	9455
Name	OJ990503_24.9B05.C14.o2.np	Method	AAT/NAP
Start	5001	End	9383
GI	1644457	Score	156
Exons	5001..5072, 7923..8005, 8357..8675, 9336..9383		
GI Descrip.	(U72521) neural variant mena+ protein [Mus musculus]		
Seq. No.	1409	Seq. ID	OJ990503_24.9B05.C15
Gene No.	2883	Strand	+
Start	1	End	786
Name	OJ990503_24.9B05.C15.o1.np	Method	AAT/NAP
Start	1	End	786
GI	5852180	Score	342
Exons	1..125, 337..457, 509..786		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	1409	Seq. ID	OJ990503_24.9B05.C15
Gene No.	2884	Strand	-
Start	19	End	732
Name	OJ990503_24.9B05.C15.o1.gs	Method	GENSCAN
Start	19	End	732
GI	none	Score	.66
Exons	19..104, 422..572, 665..732		
Seq. No.	1410	Seq. ID	OJ990503_26.9B02.C1
Gene No.	2885	Strand	-
Start	111	End	574
Name	OJ990503_26.9B02.C1.o1.ts	Method	TBLASTX:Soybean
Start	102	End	546
GI	none	Score	72
Exons	102..305, 321..389, 447..545, 454..546		
Seq. No.	1410	Seq. ID	OJ990503_26.9B02.C1
Gene No.	2885	Strand	-
Start	111	End	574
Name	OJ990503_26.9B02.C1.o1.tm	Method	TBLASTX:Maize
Start	105	End	542
GI	none	Score	104
Exons	105..263, 105..305, 321..389, 447..542, 466..540		
Seq. No.	1410	Seq. ID	OJ990503_26.9B02.C1
Gene No.	2885	Strand	-
Start	111	End	574
Name	OJ990503_26.9B02.C1.o1.gs	Method	GENSCAN
Start	111	End	554
GI	none	Score	1
Exons	111..554		
Seq. No.	1410	Seq. ID	OJ990503_26.9B02.C1
Gene No.	2885	Strand	-
Start	111	End	574
Name	OJ990503_26.9B02.C1.o1.np	Method	AAT/NAP

Start	114	End	574
GI	4455232	Score	336
Exons	114..405, 442..574		
GI Descrip.	(AL035523) putative protein [Arabidopsis thaliana]		

Seq. No.	1411	Seq. ID	OJ990503_26.9B02.C4
Gene No.	2886	Strand	-
Start	114	End	161
Name	OJ990503_26.9B02.C4.ol.gs	Method	GENSCAN
Start	114	End	161
GI	none	Score	.67
Exons	114..161		

Seq. No.	1412	Seq. ID	OJ990503_26.9B02.C7
Gene No.	2887	Strand	+
Start	448	End	709
Name	OJ990503_26.9B02.C7.ol.tm	Method	TBLASTX:Maize
Start	400	End	707
GI	none	Score	123
Exons	400..549, 431..547, 445..549, 446..550, 652..705, 659..706, 660..707		

Seq. No.	1412	Seq. ID	OJ990503_26.9B02.C7
Gene No.	2887	Strand	+
Start	448	End	709
Name	OJ990503_26.9B02.C7.ol.ts	Method	TBLASTX:Soybean
Start	447	End	707
GI	none	Score	86
Exons	447..545, 448..543, 454..558, 455..565, 662..706, 663..707		

Seq. No.	1412	Seq. ID	OJ990503_26.9B02.C7
Gene No.	2887	Strand	+
Start	448	End	709
Name	OJ990503_26.9B02.C7.ol.gp	Method	AAT/GAP
Start	448	End	709
GI	958_1.R1084	Score	234
Exons	448..547, 663..709		
GI Descrip.	'6007803/gb AAF01048.1 AF189365_1 1.0e-122 (AF189365) D-ribulose-5-phosphate 3-epimerase [Oryza sativa]'		

Seq. No.	1412	Seq. ID	OJ990503_26.9B02.C7
Gene No.	2887	Strand	+
Start	448	End	709
Name	OJ990503_26.9B02.C7.ol.tw	Method	TBLASTX:Wheat
Start	454	End	707
GI	none	Score	94
Exons	454..549, 454..558, 455..565, 658..705, 662..706, 663..707		

Seq. No.	1412	Seq. ID	OJ990503_26.9B02.C7
Gene No.	2887	Strand	+
Start	448	End	709
Name	OJ990503_26.9B02.C7.ol.np	Method	AAT/NAP
Start	455	End	709
GI	6007803	Score	166
Exons	455..547, 663..709		
GI Descrip.	(AF189365) D-ribulose-5-phosphate 3-epimerase [Oryza sativa]		

Seq. No.	1413	Seq. ID	OJ990503_26.9B02.C8
Gene No.	2888	Strand	+
Start	3099	End	3607
Name	OJ990503_26.9B02.C8.o1.gp	Method	AAT/GAP
Start	3099	End	3607
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	3099..3134, 3535..3607		
GI Descrip.	'2498586/sp Q40638 MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	1413	Seq. ID	OJ990503_26.9B02.C8
Gene No.	2889	Strand	-
Start	2650	End	6008
Name	OJ990503_26.9B02.C8.o1.np	Method	AAT/NAP
Start	1833	End	3138
GI	6815099	Score	74
Exons	1833..1947, 3096..3138		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	1413	Seq. ID	OJ990503_26.9B02.C8
Gene No.	2889	Strand	-
Start	2650	End	6008
Name	OJ990503_26.9B02.C8.o1.gs	Method	GENSCAN
Start	2650	End	6008
GI	none	Score	.75
Exons	2650..2991, 3368..3447, 3892..3995, 4515..4597, 4711..5216, 5749..5879, 5950..6008		

Seq. No.	1413	Seq. ID	OJ990503_26.9B02.C8
Gene No.	2889	Strand	-
Start	2650	End	6008
Name	OJ990503_26.9B02.C8.o2.gp	Method	AAT/GAP
Start	4532	End	4837
GI	none	Score	572
Exons	4532..4837		

Seq. No.	1413	Seq. ID	OJ990503_26.9B02.C8
Gene No.	2890	Strand	-
Start	7877	End	7990
Name	OJ990503_26.9B02.C8.o2.gs	Method	GENSCAN
Start	7877	End	7990
GI	none	Score	.59
Exons	7877..7990		

Seq. No.	1414	Seq. ID	OJ990503_26.9B02.C9
Gene No.	2891	Strand	+
Start	4053	End	4260
Name	OJ990503_26.9B02.C9.o1.gs	Method	GENSCAN
Start	4053	End	4260
GI	none	Score	.69
Exons	4053..4137, 4166..4260		

Seq. No.	1414	Seq. ID	OJ990503_26.9B02.C9
Gene No.	2892	Strand	-
Start	4148	End	4299
Name	OJ990503_26.9B02.C9.o1.tm	Method	TBLASTX:Maize

Start 4147
 GI none
 Exons 4147..4299, 4148..4297

End 4299
 Score 114

Seq. No. 1414
 Gene No. 2892
 Start 4148
 Name OJ990503_26.9B02.C9.o1.ts
 Start 4147
 GI none
 Exons 4147..4290, 4151..4225

Seq. ID OJ990503_26.9B02.C9
 Strand -
 End 4299
 Method TBLASTX:Soybean
 End 4290
 Score 83

Seq. No. 1414
 Gene No. 2892
 Start 4148
 Name OJ990503_26.9B02.C9.o1.np
 Start 4148
 GI 5931683
 Exons 4148..4299

Seq. ID OJ990503_26.9B02.C9
 Strand -
 End 4299
 Method AAT/NAP
 End 4299
 Score 154

GI Descrip. (AJ011643) squamosa promoter binding protein-like 6 [Arabidopsis thaliana] gi|5931685|emb|CAB56596.1| (AJ011644) squamosa promoter binding protein-like 6 [Arabidopsis thaliana]

Seq. No. 1415
 Gene No. 2893
 Start 5501
 Name OJ990503_26.9B02.C10.o2.gs
 Start 5501
 GI none
 Exons 5501..5602, 6488..6678, 7612..7704, 7855..7921, 8625..8720

Seq. ID OJ990503_26.9B02.C10
 Strand -
 End 8720
 Method GENSCAN
 End 8720
 Score .85

Seq. No. 1415
 Gene No. 2894
 Start 13018
 Name OJ990503_26.9B02.C10.o1.gp
 Start 13018
 GI LIB3477-003-P1-K1-E9
 Exons 13018..13108

Seq. ID OJ990503_26.9B02.C10
 Strand -
 End 13108
 Method AAT/GAP
 End 13108
 Score 144

GI Descrip. '2498586/sp|Q40638|MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No. 1416
 Gene No. 2895
 Start 44
 Name OJ990503_26.9B02.C12.o1.gs
 Start 44
 GI none
 Exons 44..117, 377..582, 715..2175, 2218..2731, 2786..3040, 3520..3654, 3739..3844, 3948..4044, 4130..4271, 4681..4872, 5170..5378, 5546..5658, 5700..5751, 6202..6372, 7011..7067

Seq. ID OJ990503_26.9B02.C12
 Strand +
 End 7067
 Method GENSCAN
 End 7067
 Score .63

Seq. No. 1416
 Gene No. 2895
 Start 44
 Name OJ990503_26.9B02.C12.o1.np
 Start 847

Seq. ID OJ990503_26.9B02.C12
 Strand +
 End 7067
 Method AAT/NAP
 End 2962

GI 5441880 Score 1660
 Exons 847..1858, 2303..2334, 2593..2962
 GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No. 1416 Seq. ID OJ990503_26.9B02.C12
 Gene No. 2896 Strand +
 Start 9003 End 22200
 Name OJ990503_26.9B02.C12.o2.np Method AAT/NAP
 Start 9003 End 10678
 GI 4457221 Score 98
 Exons 9003..9096, 9272..9513, 10612..10678
 GI Descrip. (AF127797) putative bZIP DNA-binding protein [Capsicum chinense]

Seq. No. 1416 Seq. ID OJ990503_26.9B02.C12
 Gene No. 2896 Strand +
 Start 9003 End 22200
 Name OJ990503_26.9B02.C12.o1.gp Method AAT/GAP
 Start 10389 End 12874
 GI LIB3431-044-P1-K1-A10 Score 1054
 Exons 10389..10592, 11099..11150, 12009..12204, 12579..12658, 12802..12874
 GI Descrip. '3647283/emb|CAA09619| 1.0e-45 (AJ011418) ubiquitin activating enzyme [Lycopersicon esculentum]'

Seq. No. 1416 Seq. ID OJ990503_26.9B02.C12
 Gene No. 2896 Strand +
 Start 9003 End 22200
 Name OJ990503_26.9B02.C12.o3.gs Method GENSCAN
 Start 10495 End 22200
 GI none Score .62
 Exons 10495..10592, 11099..11150, 12009..12204, 12579..12658, 12802..12918, 13629..13679, 14748..14814, 14958..15061, 15139..15246, 16211..16280, 18944..19020, 19358..19538, 19831..19913, 21571..21612, 21970..22200

Seq. No. 1416 Seq. ID OJ990503_26.9B02.C12
 Gene No. 2896 Strand +
 Start 9003 End 22200
 Name OJ990503_26.9B02.C12.o3.np Method AAT/NAP
 Start 10510 End 16321
 GI 4455237 Score 742
 Exons 10510..10592, 11099..11150, 12009..12204, 12579..12658, 12802..12961, 14748..14814, 14958..15061, 15139..15246, 16214..16321
 GI Descrip. (AL035523) ubiquitin activating enzyme-like protein [Arabidopsis thaliana]

Seq. No. 1416 Seq. ID OJ990503_26.9B02.C12
 Gene No. 2896 Strand +
 Start 9003 End 22200
 Name OJ990503_26.9B02.C12.o2.gp Method AAT/GAP
 Start 15201 End 16579
 GI 2446_1.R1084 Score 758
 Exons 15201..15246, 16211..16579
 GI Descrip. '2982309 8.0e-15 (AF051239) probable ubiquitin activating enzyme

2 [Picea mariana]'

Seq. No.	1416	Seq. ID	OJ990503_26.9B02.C12
Gene No.	2897	Strand	+
Start	24528	End	24840
Name	OJ990503_26.9B02.C12.o5.gs	Method	GENSCAN
Start	24528	End	24840
GI	none	Score	.71
Exons	24528..24577, 24604..24625, 24652..24840		

Seq. No.	1416	Seq. ID	OJ990503_26.9B02.C12
Gene No.	2898	Strand	-
Start	23479	End	23730
Name	OJ990503_26.9B02.C12.o1.tm	Method	TBLASTX:Maize
Start	1414	End	2010
GI	none	Score	368
Exons	1414..1881, 1419..1541, 1593..1892, 1939..2010		

Seq. No.	1416	Seq. ID	OJ990503_26.9B02.C12
Gene No.	2898	Strand	-
Start	23479	End	23730
Name	OJ990503_26.9B02.C12.o1.tw	Method	TBLASTX:Wheat
Start	1708	End	2085
GI	none	Score	194
Exons	1708..1857, 1710..1862, 1711..1887, 1911..1979, 1912..2085, 1934..2074		

Seq. No.	1416	Seq. ID	OJ990503_26.9B02.C12
Gene No.	2898	Strand	-
Start	23479	End	23730
Name	OJ990503_26.9B02.C12.o3.tm	Method	TBLASTX:Maize
Start	9297	End	9483
GI	none	Score	213
Exons	9297..9416, 9322..9483, 9334..9483		

Seq. No.	1416	Seq. ID	OJ990503_26.9B02.C12
Gene No.	2898	Strand	-
Start	23479	End	23730
Name	OJ990503_26.9B02.C12.o1.tc	Method	TBLASTX:Cress
Start	10546	End	12215
GI	none	Score	72
Exons	10546..10593, 12008..12208, 12009..12215		

Seq. No.	1416	Seq. ID	OJ990503_26.9B02.C12
Gene No.	2898	Strand	-
Start	23479	End	23730
Name	OJ990503_26.9B02.C12.o1.ts	Method	TBLASTX:Soybean
Start	10546	End	12658
GI	none	Score	79
Exons	10546..10593, 11088..11150, 12008..12208, 12009..12206, 12587..12658		

Seq. No.	1416	Seq. ID	OJ990503_26.9B02.C12
Gene No.	2898	Strand	-
Start	23479	End	23730
Name	OJ990503_26.9B02.C12.o2.tm	Method	TBLASTX:Maize
Start	10546	End	16303

GI	none	Score	86
Exons	10546..10593, 10546..10590, 10557..10592, 11075..11158, 11088..11150, 11999..12211, 12000..12221, 12578..12667, 12578..12667, 12800..12916, 12801..12917, 12801..12917, 12802..12918, 14736..14813, 14744..14821, 14747..14824, 14946..14996, 14955..14990, 14981..15061, 14983..15060, 15002..15097, 15137..15244, 15138..15257, 15139..15243, 16211..16303		
Seq. No.	1416	Seq. ID	OJ990503_26.9B02.C12
Gene No.	2898	Strand	-
Start	23479	End	23730
Name	OJ990503_26.9B02.C12.o4.gs	Method	GENSCAN
Start	23479	End	23730
GI	none	Score	.6
Exons	23479..23730		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2899	Strand	+
Start	546	End	1039
Name	OJ990503_26.9B02.C13.o1.gp	Method	AAT/GAP
Start	546	End	1039
GI	576771	Score	804
Exons	546..802, 829..1039		
GI Descrip.	576771/gb U16256 OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2900	Strand	+
Start	9343	End	9625
Name	OJ990503_26.9B02.C13.o4.gp	Method	AAT/GAP
Start	9343	End	9625
GI	63236_1.R1084	Score	499
Exons	9343..9625		
GI Descrip.	'576771/gb U16256 OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence'		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2901	Strand	-
Start	424	End	26359
Name	OJ990503_26.9B02.C13.o1.gs	Method	GENSCAN
Start	424	End	8053
GI	none	Score	.62
Exons	424..491, 2223..2359, 2706..2804, 3969..4235, 7998..8053		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2901	Strand	-
Start	424	End	26359
Name	OJ990503_26.9B02.C13.o1.np	Method	AAT/NAP
Start	4523	End	26359
GI	1076802	Score	332
Exons	4523..4651, 7586..7657, 9641..9794, 21551..22047, 26173..26359		
GI Descrip.	extensin-like protein - maize gi 600118 emb CAA84230 (Z34465) extensin-like protein [Zea mays] gi 1096557 prf 2111476A extensin-like domain [Zea mays]		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
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Gene No.	2901	Strand	-
Start	424	End	26359
Name	OJ990503_26.9B02.C13.o5.gp	Method	AAT/GAP
Start	10140	End	10608
GI	none	Score	876
Exons	10140..10608		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2901	Strand	-
Start	424	End	26359
Name	OJ990503_26.9B02.C13.o6.gp	Method	AAT/GAP
Start	16789	End	17310
GI	LIB3431-001-P1-N1-B5	Score	763
Exons	16789..17022, 17128..17310		
GI Descrip.	'4680203/gb AAD27566.1 AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2901	Strand	-
Start	424	End	26359
Name	OJ990503_26.9B02.C13.o3.gs	Method	GENSCAN
Start	16897	End	20124
GI	none	Score	.71
Exons	16897..17022, 17128..17299, 17466..17636, 17719..19094, 19173..19906, 19995..20124		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2901	Strand	-
Start	424	End	26359
Name	OJ990503_26.9B02.C13.o4.gs	Method	GENSCAN
Start	21471	End	25897
GI	none	Score	.65
Exons	21471..22078, 22642..25897		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2901	Strand	-
Start	424	End	26359
Name	OJ990503_26.9B02.C13.o7.gp	Method	AAT/GAP
Start	22472	End	23932
GI	5002953	Score	1280
Exons	22472..22653, 23133..23542, 23801..23932		
GI Descrip.	4680203/gb AAD27566.1 AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2901	Strand	-
Start	424	End	26359
Name	OJ990503_26.9B02.C13.o2.np	Method	AAT/NAP
Start	22586	End	26359
GI	4680203	Score	2044
Exons	22586..23527, 23804..24034, 24188..24280, 24323..25897, 26318..26359		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2901	Strand	-
Start	424	End	26359

Name	OJ990503_26.9B02.C13.o1.tw	Method	TBLASTX:Wheat
Start	22697	End	23917
GI	none	Score	67
Exons	22697..22789, 22790..22894, 22818..22895, 22919..22960, 22919..22957, 22964..23011, 23000..23191, 23016..23156, 23195..23356, 23199..23339, 23375..23917, 23427..23873		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2901	Strand	-
Start	424	End	26359
Name	OJ990503_26.9B02.C13.o2.tc	Method	TBLASTX:Cress
Start	23204	End	23630
GI	none	Score	68
Exons	23204..23356, 23217..23339, 23375..23626, 23427..23630		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2901	Strand	-
Start	424	End	26359
Name	OJ990503_26.9B02.C13.o2.tm	Method	TBLASTX:Maize
Start	23528	End	24013
GI	none	Score	84
Exons	23528..24013, 23535..23684, 23820..23996		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2901	Strand	-
Start	424	End	26359
Name	OJ990503_26.9B02.C13.o4.tw	Method	TBLASTX:Wheat
Start	23921	End	24271
GI	none	Score	66
Exons	23921..24004, 23922..24005, 24041..24271, 24042..24242		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2901	Strand	-
Start	424	End	26359
Name	OJ990503_26.9B02.C13.o3.tm	Method	TBLASTX:Maize
Start	24050	End	24265
GI	none	Score	93
Exons	24050..24112, 24119..24265, 24129..24236		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2901	Strand	-
Start	424	End	26359
Name	OJ990503_26.9B02.C13.o2.ts	Method	TBLASTX:Soybean
Start	24410	End	24644
GI	none	Score	98
Exons	24410..24643, 24489..24644		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2901	Strand	-
Start	424	End	26359
Name	OJ990503_26.9B02.C13.o1.tm	Method	TBLASTX:Maize
Start	24479	End	24922
GI	none	Score	78
Exons	24479..24673, 24677..24922, 24681..24872		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2901	Strand	-

Start	424	End	26359
Name	OJ990503_26.9B02.C13.o2.tw	Method	TBLASTX:Wheat
Start	24513	End	24979
GI	none	Score	102
Exons	24513..24701, 24518..24673, 24642..24812, 24704..24820, 24718..24816, 24719..24829, 24821..24925, 24828..24914, 24926..24979, 24936..24971		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2901	Strand	-
Start	424	End	26359
Name	OJ990503_26.9B02.C13.o1.tc	Method	TBLASTX:Cress
Start	24767	End	25097
GI	none	Score	59
Exons	24767..25096, 24768..24842, 24864..24923, 24960..25097		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2901	Strand	-
Start	424	End	26359
Name	OJ990503_26.9B02.C13.o1.ts	Method	TBLASTX:Soybean
Start	24845	End	25264
GI	none	Score	105
Exons	24845..25093, 24849..25094, 25143..25262, 25145..25264		

Seq. No.	1417	Seq. ID	OJ990503_26.9B02.C13
Gene No.	2901	Strand	-
Start	424	End	26359
Name	OJ990503_26.9B02.C13.o3.tw	Method	TBLASTX:Wheat
Start	24992	End	25543
GI	none	Score	64
Exons	24992..25096, 25002..25097, 25143..25346, 25145..25543		

Seq. No.	1418	Seq. ID	OJ990503_26.9B02.C14
Gene No.	2902	Strand	+
Start	4031	End	7935
Name	OJ990503_26.9B02.C14.o4.tw	Method	TBLASTX:Wheat
Start	4022	End	4410
GI	none	Score	297
Exons	4022..4375, 4025..4378, 4036..4377, 4380..4409, 4381..4410		

Seq. No.	1418	Seq. ID	OJ990503_26.9B02.C14
Gene No.	2902	Strand	+
Start	4031	End	7935
Name	OJ990503_26.9B02.C14.o1.np	Method	AAT/NAP
Start	4031	End	7935
GI	6539553	Score	6422
Exons	4031..7935		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	1418	Seq. ID	OJ990503_26.9B02.C14
Gene No.	2902	Strand	+
Start	4031	End	7935
Name	OJ990503_26.9B02.C14.o3.tm	Method	TBLASTX:Maize
Start	4160	End	4472

GI	none	Score	241
Exons	4160..4378, 4166..4375, 4183..4380, 4378..4470, 4378..4467, 4380..4472		

Seq. No.	1418	Seq. ID	OJ990503_26.9B02.C14
Gene No.	2902	Strand	+
Start	4031	End	7935
Name	OJ990503_26.9B02.C14.o1.tm	Method	TBLASTX:Maize
Start	4971	End	5293
GI	none	Score	234
Exons	4971..5135, 4978..5292, 4991..5293, 5004..5291		

Seq. No.	1418	Seq. ID	OJ990503_26.9B02.C14
Gene No.	2902	Strand	+
Start	4031	End	7935
Name	OJ990503_26.9B02.C14.o5.ts	Method	TBLASTX:Soybean
Start	5320	End	5706
GI	none	Score	93
Exons	5320..5475, 5458..5706		

Seq. No.	1418	Seq. ID	OJ990503_26.9B02.C14
Gene No.	2902	Strand	+
Start	4031	End	7935
Name	OJ990503_26.9B02.C14.o5.tw	Method	TBLASTX:Wheat
Start	5569	End	5763
GI	none	Score	99
Exons	5569..5715, 5571..5714, 5572..5763, 5627..5758, 5700..5762		

Seq. No.	1418	Seq. ID	OJ990503_26.9B02.C14
Gene No.	2902	Strand	+
Start	4031	End	7935
Name	OJ990503_26.9B02.C14.o4.tm	Method	TBLASTX:Maize
Start	5620	End	6192
GI	none	Score	217
Exons	5620..5928, 5703..5894, 5947..6192		

Seq. No.	1418	Seq. ID	OJ990503_26.9B02.C14
Gene No.	2902	Strand	+
Start	4031	End	7935
Name	OJ990503_26.9B02.C14.o3.ts	Method	TBLASTX:Soybean
Start	5716	End	6114
GI	none	Score	188
Exons	5716..5940, 5717..5761, 5724..5894, 5785..5925, 5941..6114, 5949..5987		

Seq. No.	1418	Seq. ID	OJ990503_26.9B02.C14
Gene No.	2902	Strand	+
Start	4031	End	7935
Name	OJ990503_26.9B02.C14.o1.tw	Method	TBLASTX:Wheat
Start	5764	End	6519
GI	none	Score	606
Exons	5764..6222, 5772..6266, 6272..6502, 6280..6519, 6305..6499, 6360..6518		

Seq. No.	1418	Seq. ID	OJ990503_26.9B02.C14
Gene No.	2902	Strand	+
Start	4031	End	7935

Name OJ990503_26.9B02.C14.o1.ts
 Start 6439
 GI 5509260
 Exons 6439..6903, 6543..6752
 GI Descrip. -

Method TBLASTX:Soybean
 End 6903
 Score 342

Seq. No. 1418
 Gene No. 2902
 Start 4031
 Name OJ990503_26.9B02.C14.o1.tc
 Start 6532
 GI none
 Exons 6532..6792, 6540..6710

Seq. ID OJ990503_26.9B02.C14
 Strand +
 End 7935
 Method TBLASTX:Cress
 End 6792
 Score 259

Seq. No. 1418
 Gene No. 2902
 Start 4031
 Name OJ990503_26.9B02.C14.o2.tm
 Start 6574
 GI none
 Exons 6574..7038, 6727..6891

Seq. ID OJ990503_26.9B02.C14
 Strand +
 End 7935
 Method TBLASTX:Maize
 End 7038
 Score 333

Seq. No. 1418
 Gene No. 2902
 Start 4031
 Name OJ990503_26.9B02.C14.o3.tw
 Start 6574
 GI none
 Exons 6574..6918, 6721..6894, 6913..7119, 6978..7109

Seq. ID OJ990503_26.9B02.C14
 Strand +
 End 7935
 Method TBLASTX:Wheat
 End 7119
 Score 303

Seq. No. 1418
 Gene No. 2902
 Start 4031
 Name OJ990503_26.9B02.C14.o2.ts
 Start 6970
 GI none
 Exons 6970..7218, 6972..7295, 6973..7317

Seq. ID OJ990503_26.9B02.C14
 Strand +
 End 7935
 Method TBLASTX:Soybean
 End 7317
 Score 310

Seq. No. 1418
 Gene No. 2902
 Start 4031
 Name OJ990503_26.9B02.C14.o5.tm
 Start 7128
 GI none
 Exons 7128..7466, 7129..7467

Seq. ID OJ990503_26.9B02.C14
 Strand +
 End 7935
 Method TBLASTX:Maize
 End 7467
 Score 276

Seq. No. 1418
 Gene No. 2902
 Start 4031
 Name OJ990503_26.9B02.C14.o2.tw
 Start 7323
 GI none
 Exons 7323..7394, 7324..7398, 7412..7516, 7413..7799, 7414..7761

Seq. ID OJ990503_26.9B02.C14
 Strand +
 End 7935
 Method TBLASTX:Wheat
 End 7799
 Score 92

Seq. No. 1418
 Gene No. 2902
 Start 4031

Seq. ID OJ990503_26.9B02.C14
 Strand +
 End 7935

Name	OJ990503_26.9B02.C14.o4.ts	Method	TBLASTX:Soybean
Start	7330	End	7671
GI	none	Score	100
Exons	7330..7443, 7356..7436, 7462..7671, 7462..7650		

Seq. No.	1419	Seq. ID	OJ990503_26.9B02.C15
Gene No.	2903	Strand	+
Start	1	End	3137
Name	OJ990503_26.9B02.C15.o1.np	Method	AAT/NAP
Start	1	End	1651
GI	5852093	Score	85
Exons	1..105, 1215..1401, 1609..1651		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	1419	Seq. ID	OJ990503_26.9B02.C15
Gene No.	2903	Strand	+
Start	1	End	3137
Name	OJ990503_26.9B02.C15.o1.gs	Method	GENSCAN
Start	229	End	3137
GI	none	Score	.59
Exons	229..369, 783..870, 2170..2327, 2616..3137		

Seq. No.	1419	Seq. ID	OJ990503_26.9B02.C15
Gene No.	2903	Strand	+
Start	1	End	3137
Name	OJ990503_26.9B02.C15.o1.gp	Method	AAT/GAP
Start	2111	End	2932
GI	none	Score	908
Exons	2111..2327, 2649..2932		

Seq. No.	1419	Seq. ID	OJ990503_26.9B02.C15
Gene No.	2904	Strand	+
Start	4759	End	7901
Name	OJ990503_26.9B02.C15.o2.tm	Method	TBLASTX:Maize
Start	201	End	2759
GI	none	Score	67
Exons	201..239, 270..368, 325..372, 807..857, 809..865, 2115..2327, 2138..2338, 2141..2326, 2142..2327, 2143..2337, 2648..2686, 2649..2759, 2691..2756, 2692..2757		

Seq. No.	1419	Seq. ID	OJ990503_26.9B02.C15
Gene No.	2904	Strand	+
Start	4759	End	7901
Name	OJ990503_26.9B02.C15.o2.ts	Method	TBLASTX:Soybean
Start	325	End	2333
GI	none	Score	61
Exons	325..372, 2126..2317, 2133..2327, 2145..2333		

Seq. No.	1419	Seq. ID	OJ990503_26.9B02.C15
Gene No.	2904	Strand	+
Start	4759	End	7901
Name	OJ990503_26.9B02.C15.o3.tm	Method	TBLASTX:Maize
Start	2952	End	3119
GI	none	Score	222
Exons	2952..3119, 2952..3086, 2999..3112		

Seq. No.	1419	Seq. ID	OJ990503_26.9B02.C15
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Gene No.	2904	Strand	+
Start	4759	End	7901
Name	OJ990503_26.9B02.C15.o2.gs	Method	GENSCAN
Start	4759	End	7901
GI	none	Score	.52
Exons	4759..4885, 5587..5670, 6989..7055, 7305..7331, 7432..7554, 7658..7901		

Seq. No.	1419	Seq. ID	OJ990503_26.9B02.C15
Gene No.	2904	Strand	+
Start	4759	End	7901
Name	OJ990503_26.9B02.C15.o2.gp	Method	AAT/GAP
Start	7011	End	7901
GI	18059_1.R1084	Score	1017
Exons	7011..7178, 7305..7331, 7432..7554, 7658..7901		
GI Descrip.	'576771/gb U16256 OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	1419	Seq. ID	OJ990503_26.9B02.C15
Gene No.	2904	Strand	+
Start	4759	End	7901
Name	OJ990503_26.9B02.C15.o1.tm	Method	TBLASTX:Maize
Start	7082	End	7778
GI	none	Score	35
Exons	7082..7129, 7132..7179, 7132..7179, 7305..7334, 7306..7332, 7432..7554, 7433..7558, 7433..7555, 7656..7748, 7658..7777, 7659..7778		

Seq. No.	1419	Seq. ID	OJ990503_26.9B02.C15
Gene No.	2904	Strand	+
Start	4759	End	7901
Name	OJ990503_26.9B02.C15.o1.ts	Method	TBLASTX:Soybean
Start	7123	End	7901
GI	none	Score	65
Exons	7123..7179, 7432..7536, 7432..7536, 7433..7558, 7658..7768, 7659..7772, 7875..7901		

Seq. No.	1419	Seq. ID	OJ990503_26.9B02.C15
Gene No.	2904	Strand	+
Start	4759	End	7901
Name	OJ990503_26.9B02.C15.o2.np	Method	AAT/NAP
Start	7132	End	7865
GI	4884938	Score	319
Exons	7132..7178, 7305..7331, 7432..7554, 7658..7865		
GI Descrip.	(AF141662) AtHVA22d [Arabidopsis thaliana] gi 4884948 gb AAD31887.1 AF141979_1 (AF141979) AtHVA22d [Arabidopsis thaliana]		

Seq. No.	1419	Seq. ID	OJ990503_26.9B02.C15
Gene No.	2904	Strand	+
Start	4759	End	7901
Name	OJ990503_26.9B02.C15.o1.tc	Method	TBLASTX:Cress
Start	7432	End	7754
GI	none	Score	145
Exons	7432..7527, 7433..7558, 7659..7754		

Seq. No.	1419	Seq. ID	OJ990503_26.9B02.C15
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Gene No.	2904	Strand	+
Start	4759	End	7901
Name	OJ990503_26.9B02.C15.o1.tw	Method	TBLASTX:Wheat
Start	7432	End	7763
GI	none	Score	147
Exons	7432..7527, 7433..7558, 7656..7754, 7659..7763		

Seq. No.	1420	Seq. ID	OJ990503_21.9B05.C2
Gene No.	2905	Strand	+
Start	348	End	671
Name	OJ990503_21.9B05.C2.o1.gs	Method	GENSCAN
Start	348	End	671
GI	none	Score	.41
Exons	348..433, 532..671		

Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2906	Strand	+
Start	1059	End	2968
Name	OJ990503_21.9B05.C3.o1.np	Method	AAT/NAP
Start	1059	End	2968
GI	1351840	Score	2377
Exons	1059..1088, 1170..2772, 2886..2968		
GI Descrip.	ISOCITRATE LYASE (ISOCITRASE) (ISOCITRATASE) (ICL) gi 1084319 pir S53505 isocitrate lyase - cucumber gi 1052578 emb CAA84632 (Z35499) isocitrate lyase [Cucumis sativus]		

Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2906	Strand	+
Start	1059	End	2968
Name	OJ990503_21.9B05.C3.o1.gs	Method	GENSCAN
Start	1173	End	2789
GI	none	Score	.4
Exons	1173..2789		

Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2907	Strand	+
Start	12117	End	17427
Name	OJ990503_21.9B05.C3.o4.np	Method	AAT/NAP
Start	12117	End	17427
GI	6728876	Score	122
Exons	12117..12146, 13534..13834, 17343..17427		
GI Descrip.	(AC008113) F12A21.12 [Arabidopsis thaliana]		

Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2907	Strand	+
Start	12117	End	17427
Name	OJ990503_21.9B05.C3.o3.gs	Method	GENSCAN
Start	13328	End	17258
GI	none	Score	.65
Exons	13328..13444, 13621..13815, 16345..16462, 16490..16511, 16789..16810, 16855..16881, 17220..17258		

Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2908	Strand	-
Start	3514	End	13918
Name	OJ990503_21.9B05.C3.o2.np	Method	AAT/NAP

Start	3505	End	5862
GI	6006872	Score	474
Exons	3505..3675, 3792..3857, 3976..4056, 4168..4245, 4335..4360, 4563..4623, 4706..4748, 5034..5107, 5192..5280, 5385..5433, 5558..5614, 5738..5862		

GI Descrip. (AC009540) s-syntaxin-like protein [Arabidopsis thaliana]

Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2908	Strand	-
Start	3514	End	13918
Name	OJ990503_21.9B05.C3.o2.gs	Method	GENSCAN
Start	3514	End	12721
GI	none	Score	.66
Exons	3514..3675, 3792..3857, 3976..4056, 4706..4748, 5034..5107, 5558..5614, 5738..5827, 6230..6371, 7207..7378, 7416..7820, 8189..8381, 9350..10192, 10412..10576, 11576..11794, 12149..12721		

Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2908	Strand	-
Start	3514	End	13918
Name	OJ990503_21.9B05.C3.o3.np	Method	AAT/NAP
Start	7622	End	13918
GI	6466937	Score	2255
Exons	7622..7729, 8046..11582, 11628..12249, 13804..13918		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2909	Strand	-
Start	17774	End	21799
Name	OJ990503_21.9B05.C3.o1.tc	Method	TBLASTX:Cress
Start	1059	End	2971
GI	none	Score	36
Exons	1059..1091, 1221..2288, 1235..2032, 1584..2114, 2081..2773, 2346..2756, 2606..2773, 2876..2938, 2885..2935, 2933..2971		

Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2909	Strand	-
Start	17774	End	21799
Name	OJ990503_21.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	1221	End	2932
GI	none	Score	1965
Exons	1221..2756, 1235..2284, 2339..2773, 2884..2928, 2885..2932		

Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2909	Strand	-
Start	17774	End	21799
Name	OJ990503_21.9B05.C3.o6.tm	Method	TBLASTX:Maize
Start	1221	End	1493
GI	none	Score	463
Exons	1221..1493, 1227..1349, 1238..1492		

Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2909	Strand	-
Start	17774	End	21799
Name	OJ990503_21.9B05.C3.o1.tm	Method	TBLASTX:Maize

Start	1494	End	2990
GI	none	Score	933
Exons	1494..2177, 1584..2117, 2169..2756, 2183..2773, 2606..2773, 2883..2951, 2884..2931, 2927..2989, 2940..2990		

Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2909	Strand	-
Start	17774	End	21799
Name	OJ990503_21.9B05.C3.o9.tm	Method	TBLASTX:Maize
Start	3527	End	4747
GI	none	Score	103
Exons	3527..3676, 3563..3658, 3589..3681, 3783..3860, 3787..3858, 3973..4059, 3977..4057, 4163..4243, 4165..4242, 4564..4626, 4706..4747		

Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2909	Strand	-
Start	17774	End	21799
Name	OJ990503_21.9B05.C3.o5.ts	Method	TBLASTX:Soybean
Start	3967	End	5442
GI	none	Score	88
Exons	3967..4059, 3980..4060, 4150..4251, 4154..4243, 4335..4364, 4564..4626, 5036..5107, 5037..5105, 5192..5287, 5192..5281, 5368..5442, 5387..5440		

Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2909	Strand	-
Start	17774	End	21799
Name	OJ990503_21.9B05.C3.o6.tw	Method	TBLASTX:Wheat
Start	5184	End	5476
GI	none	Score	136
Exons	5184..5285, 5189..5290, 5189..5290, 5381..5476, 5383..5475		

Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2909	Strand	-
Start	17774	End	21799
Name	OJ990503_21.9B05.C3.o5.tm	Method	TBLASTX:Maize
Start	7905	End	13180
GI	none	Score	120
Exons	7905..7973, 8013..8621, 8338..8556, 8442..8612, 8628..8651, 13112..13180		

Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2909	Strand	-
Start	17774	End	21799
Name	OJ990503_21.9B05.C3.o4.tw	Method	TBLASTX:Wheat
Start	8247	End	8585
GI	none	Score	102
Exons	8247..8585, 8302..8553, 8352..8582		

Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2909	Strand	-
Start	17774	End	21799
Name	OJ990503_21.9B05.C3.o2.tm	Method	TBLASTX:Maize
Start	8657	End	9289
GI	none	Score	350
Exons	8657..9289, 8664..9170, 9249..9287		

Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2909	Strand	-
Start	17774	End	21799
Name	OJ990503_21.9B05.C3.o5.tw	Method	TBLASTX:Wheat
Start	8657	End	9034
GI	none	Score	70
Exons	8657..8860, 8657..9034, 8661..8942		
Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2909	Strand	-
Start	17774	End	21799
Name	OJ990503_21.9B05.C3.o3.ts	Method	TBLASTX:Soybean
Start	8882	End	9265
GI	none	Score	162
Exons	8882..9265, 8901..9173		
Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2909	Strand	-
Start	17774	End	21799
Name	OJ990503_21.9B05.C3.o2.tw	Method	TBLASTX:Wheat
Start	9125	End	9508
GI	none	Score	137
Exons	9125..9508, 9129..9380		
Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2909	Strand	-
Start	17774	End	21799
Name	OJ990503_21.9B05.C3.o7.tm	Method	TBLASTX:Maize
Start	9290	End	9715
GI	none	Score	77
Exons	9290..9520, 9521..9715, 9546..9713		
Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2909	Strand	-
Start	17774	End	21799
Name	OJ990503_21.9B05.C3.o3.tm	Method	TBLASTX:Maize
Start	9630	End	10237
GI	none	Score	40
Exons	9630..9647, 9716..10237, 9716..10234, 9718..10236		
Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2909	Strand	-
Start	17774	End	21799
Name	OJ990503_21.9B05.C3.o4.ts	Method	TBLASTX:Soybean
Start	9701	End	9958
GI	none	Score	67
Exons	9701..9958, 9806..9955		
Seq. No.	1421	Seq. ID	OJ990503_21.9B05.C3
Gene No.	2909	Strand	-
Start	17774	End	21799
Name	OJ990503_21.9B05.C3.o1.tw	Method	TBLASTX:Wheat
Start	9866	End	10267
GI	none	Score	112
Exons	9866..10267, 9900..10148		

Seq. No. 1421
 Gene No. 2909
 Start 17774
 Name OJ990503_21.9B05.C3.o2.ts
 Start 9980
 GI none
 Exons 9980..10351, 9990..10148

Seq. ID OJ990503_21.9B05.C3
 Strand -
 End 21799
 Method TBLASTX:Soybean
 End 10351
 Score 63

Seq. No. 1421
 Gene No. 2909
 Start 17774
 Name OJ990503_21.9B05.C3.o4.tm
 Start 10277
 GI none
 Exons 10277..10738, 10278..10733

Seq. ID OJ990503_21.9B05.C3
 Strand -
 End 21799
 Method TBLASTX:Maize
 End 10738
 Score 260

Seq. No. 1421
 Gene No. 2909
 Start 17774
 Name OJ990503_21.9B05.C3.o3.tw
 Start 10320
 GI none
 Exons 10320..10799, 10358..10798

Seq. ID OJ990503_21.9B05.C3
 Strand -
 End 21799
 Method TBLASTX:Wheat
 End 10799
 Score 172

Seq. No. 1421
 Gene No. 2909
 Start 17774
 Name OJ990503_21.9B05.C3.o6.ts
 Start 10445
 GI none
 Exons 10445..10648, 10448..10762, 10671..10736

Seq. ID OJ990503_21.9B05.C3
 Strand -
 End 21799
 Method TBLASTX:Soybean
 End 10762
 Score 106

Seq. No. 1421
 Gene No. 2909
 Start 17774
 Name OJ990503_21.9B05.C3.o8.tm
 Start 11003
 GI none
 Exons 11003..11095, 11183..11425, 11480..11617

Seq. ID OJ990503_21.9B05.C3
 Strand -
 End 21799
 Method TBLASTX:Maize
 End 11617
 Score 125

Seq. No. 1421
 Gene No. 2909
 Start 17774
 Name OJ990503_21.9B05.C3.o4.gs
 Start 17774
 GI none
 Exons 17774..17890, 17976..18264, 18347..18435, 18628..19482, 19571..20017, 20096..20121, 20275..20827, 21343..21799

Seq. ID OJ990503_21.9B05.C3
 Strand -
 End 21799
 Method GENSCAN
 End 21799
 Score .73

Seq. No. 1422
 Gene No. 2910
 Start 631
 Name OJ990503_21.9B05.C4.o1.np
 Start 473
 GI 4680203
 Exons 473..1410, 1687..1916, 2076..3738, 5002..5055
 GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. ID OJ990503_21.9B05.C4
 Strand -
 End 7448
 Method AAT/NAP
 End 5055
 Score 1983

Seq. No.	1422	Seq. ID	OJ990503_21.9B05.C4
Gene No.	2910	Strand	-
Start	631	End	7448
Name	OJ990503_21.9B05.C4.o1.tw	Method	TBLASTX:Wheat
Start	553	End	1803
GI	none	Score	75
Exons	553..672, 673..777, 674..778, 796..849, 849..893, 850..900, 916..1056, 917..1042, 1054..1254, 1064..1201, 1261..1803, 1270..1656, 1409..1759		

Seq. No.	1422	Seq. ID	OJ990503_21.9B05.C4
Gene No.	2910	Strand	-
Start	631	End	7448
Name	OJ990503_21.9B05.C4.o1.gs	Method	GENSCAN
Start	631	End	7386
GI	none	Score	.52
Exons	631..909, 931..1889, 1911..2048, 2137..2586, 2722..3738, 3840..3886, 5114..5321, 5882..6010, 6410..7386		

Seq. No.	1422	Seq. ID	OJ990503_21.9B05.C4
Gene No.	2910	Strand	-
Start	631	End	7448
Name	OJ990503_21.9B05.C4.o3.ts	Method	TBLASTX:Soybean
Start	646	End	864
GI	none	Score	95
Exons	646..864, 680..862		

Seq. No.	1422	Seq. ID	OJ990503_21.9B05.C4
Gene No.	2910	Strand	-
Start	631	End	7448
Name	OJ990503_21.9B05.C4.o2.tc	Method	TBLASTX:Cress
Start	1090	End	1516
GI	none	Score	44
Exons	1090..1254, 1094..1201, 1259..1516, 1261..1512		

Seq. No.	1422	Seq. ID	OJ990503_21.9B05.C4
Gene No.	2910	Strand	-
Start	631	End	7448
Name	OJ990503_21.9B05.C4.o2.tm	Method	TBLASTX:Maize
Start	1447	End	1762
GI	none	Score	159
Exons	1447..1761, 1466..1762		

Seq. No.	1422	Seq. ID	OJ990503_21.9B05.C4
Gene No.	2910	Strand	-
Start	631	End	7448
Name	OJ990503_21.9B05.C4.o5.ts	Method	TBLASTX:Soybean
Start	1459	End	1846
GI	none	Score	71
Exons	1459..1701, 1460..1621, 1693..1842, 1733..1846		

Seq. No.	1422	Seq. ID	OJ990503_21.9B05.C4
Gene No.	2910	Strand	-
Start	631	End	7448
Name	OJ990503_21.9B05.C4.o3.tm	Method	TBLASTX:Maize
Start	1939	End	2134

GI	none	Score	90
Exons	1939..2133, 1940..2134		
Seq. No.	1422	Seq. ID	OJ990503_21.9B05.C4
Gene No.	2910	Strand	-
Start	631	End	7448
Name	OJ990503_21.9B05.C4.o4.ts	Method	TBLASTX:Soybean
Start	2246	End	2480
GI	none	Score	73
Exons	2246..2479, 2255..2455, 2319..2480		
Seq. No.	1422	Seq. ID	OJ990503_21.9B05.C4
Gene No.	2910	Strand	-
Start	631	End	7448
Name	OJ990503_21.9B05.C4.o1.tm	Method	TBLASTX:Maize
Start	2315	End	2759
GI	none	Score	86
Exons	2315..2509, 2331..2534, 2516..2758, 2532..2759		
Seq. No.	1422	Seq. ID	OJ990503_21.9B05.C4
Gene No.	2910	Strand	-
Start	631	End	7448
Name	OJ990503_21.9B05.C4.o3.tw	Method	TBLASTX:Wheat
Start	2354	End	2650
GI	none	Score	50
Exons	2354..2509, 2362..2511, 2553..2648, 2555..2650		
Seq. No.	1422	Seq. ID	OJ990503_21.9B05.C4
Gene No.	2910	Strand	-
Start	631	End	7448
Name	OJ990503_21.9B05.C4.o1.tc	Method	TBLASTX:Cress
Start	2603	End	2950
GI	none	Score	94
Exons	2603..2950, 2604..2756, 2796..2945		
Seq. No.	1422	Seq. ID	OJ990503_21.9B05.C4
Gene No.	2910	Strand	-
Start	631	End	7448
Name	OJ990503_21.9B05.C4.o2.ts	Method	TBLASTX:Soybean
Start	2684	End	2951
GI	none	Score	132
Exons	2684..2947, 2685..2951		
Seq. No.	1422	Seq. ID	OJ990503_21.9B05.C4
Gene No.	2910	Strand	-
Start	631	End	7448
Name	OJ990503_21.9B05.C4.o2.tw	Method	TBLASTX:Wheat
Start	2699	End	3379
GI	none	Score	83
Exons	2699..2824, 2831..2950, 2844..2954, 2963..3379, 3090..3290		
Seq. No.	1422	Seq. ID	OJ990503_21.9B05.C4
Gene No.	2910	Strand	-
Start	631	End	7448
Name	OJ990503_21.9B05.C4.o1.ts	Method	TBLASTX:Soybean
Start	2970	End	3307
GI	none	Score	194

Exons 2970..3254, 2972..3253, 3021..3254, 3252..3302, 3260..3307

Seq. No. 1422 Seq. ID OJ990503_21.9B05.C4
Gene No. 2910 Strand -
Start 631 End 7448
Name OJ990503_21.9B05.C4.o2.np Method AAT/NAP
Start 6378 End 7448
GI 4755196 Score 307
Exons 6378..6952, 6992..7448
GI Descrip. (AC007018) unknown protein [Arabidopsis thaliana]

Seq. No. 1423 Seq. ID OJ990503_21.9B05.C6
Gene No. 2911 Strand +
Start 2152 End 9563
Name OJ990503_21.9B05.C6.o1.gs Method GENSCAN
Start 2152 End 9563
GI none Score .5
Exons 2152..2256, 3539..3764, 4386..5085, 5282..5413, 8144..8231, 8607..8651, 9417..9563

Seq. No. 1423 Seq. ID OJ990503_21.9B05.C6
Gene No. 2911 Strand +
Start 2152 End 9563
Name OJ990503_21.9B05.C6.o2.np Method AAT/NAP
Start 4478 End 5164
GI 2462134 Score 351
Exons 4478..5164
GI Descrip. (Y13368) reverse transcriptase [Beta vulgaris]

Seq. No. 1423 Seq. ID OJ990503_21.9B05.C6
Gene No. 2912 Strand +
Start 10945 End 11370
Name OJ990503_21.9B05.C6.o2.gs Method GENSCAN
Start 10945 End 11370
GI none Score .91
Exons 10945..11370

Seq. No. 1423 Seq. ID OJ990503_21.9B05.C6
Gene No. 2913 Strand -
Start 1 End 351
Name OJ990503_21.9B05.C6.o1.gp Method AAT/GAP
Start 1 End 90
GI LIB3475-004-P1-K2-A5 Score 148
Exons 1..90
GI Descrip. '5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'

Seq. No. 1423 Seq. ID OJ990503_21.9B05.C6
Gene No. 2913 Strand -
Start 1 End 351
Name OJ990503_21.9B05.C6.o1.np Method AAT/NAP
Start 1 End 351
GI 4539658 Score 109
Exons 1..33, 191..351
GI Descrip. (AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]

Seq. No.	1423	Seq. ID	OJ990503_21.9B05.C6
Gene No.	2914	Strand	-
Start	13516	End	13899
Name	OJ990503_21.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	4784	End	5212
GI	none	Score	277
Exons	4784..5212, 4846..4983, 5029..5208		

Seq. No.	1423	Seq. ID	OJ990503_21.9B05.C6
Gene No.	2914	Strand	-
Start	13516	End	13899
Name	OJ990503_21.9B05.C6.o3.gs	Method	GENSCAN
Start	13516	End	13899
GI	none	Score	.57
Exons	13516..13899		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2915	Strand	+
Start	758	End	9525
Name	OJ990503_21.9B05.C7.o1.gs	Method	GENSCAN
Start	758	End	9525
GI	none	Score	.7
Exons	758..1027, 1420..1461, 1941..2029, 2674..2787, 4001..4147, 7482..7614, 7773..7928, 7934..8151, 8434..8623, 9409..9525		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2915	Strand	+
Start	758	End	9525
Name	OJ990503_21.9B05.C7.o1.gp	Method	AAT/GAP
Start	7375	End	7877
GI	702818	Score	599
Exons	7375..7614, 7773..7877		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2916	Strand	+
Start	14227	End	15235
Name	OJ990503_21.9B05.C7.o3.gs	Method	GENSCAN
Start	14227	End	15235
GI	none	Score	.97
Exons	14227..14250, 14399..15235		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2917	Strand	+
Start	18153	End	18272
Name	OJ990503_21.9B05.C7.o3.gp	Method	AAT/GAP
Start	18153	End	18272
GI	LIB3431-040-P1-K2-C1	Score	185
Exons	18153..18272		
GI Descrip.	'114521/sp P12084 ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir_PWRZA H ⁺ -transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_(X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf_1603356X ATPase alpha [Oryza sativa]'		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2918	Strand	+
Start	23039	End	27351

Name	OJ990503_21.9B05.C7.o5.gs	Method	GENSCAN
Start	23039	End	27351
GI	none	Score	.57
Exons	23039..23053, 24072..24210, 25088..25318, 25895..25913, 26100..27351		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2918	Strand	+
Start	23039	End	27351
Name	OJ990503_21.9B05.C7.o4.gp	Method	AAT/GAP
Start	26544	End	27016
GI	5038711	Score	893
Exons	26544..27016		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2919	Strand	+
Start	28127	End	28516
Name	OJ990503_21.9B05.C7.o5.gp	Method	AAT/GAP
Start	28127	End	28516
GI	none	Score	715
Exons	28127..28516		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2920	Strand	+
Start	29463	End	37899
Name	OJ990503_21.9B05.C7.o7.gs	Method	GENSCAN
Start	29463	End	37716
GI	none	Score	.82
Exons	29463..29526, 29843..30037, 30097..30290, 30624..30815, 30885..31193, 32224..32442, 34076..34333, 35031..35120, 35861..35995, 36489..36638, 36935..37038, 37073..37121, 37576..37716		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2920	Strand	+
Start	29463	End	37899
Name	OJ990503_21.9B05.C7.o6.gp	Method	AAT/GAP
Start	30277	End	31191
GI	47746_1.R1084	Score	1043
Exons	30277..30368, 30624..30815, 30921..31191		
GI Descrip.	'20237/emb X51910 OSGOS2G 0.0e+00 O.sativa (rice) constitutive GOS2 gene'		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2920	Strand	+
Start	29463	End	37899
Name	OJ990503_21.9B05.C7.o5.np	Method	AAT/NAP
Start	37450	End	37899
GI	6815053	Score	104
Exons	37450..37553, 37860..37899		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2921	Strand	-
Start	10165	End	14726
Name	OJ990503_21.9B05.C7.o2.gs	Method	GENSCAN
Start	10165	End	12911

GI	none	Score	.83
Exons	10165..10315, 12102..12198, 12284..12911		
Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2921	Strand	-
Start	10165	End	14726
Name	OJ990503_21.9B05.C7.o1.np	Method	AAT/NAP
Start	12098	End	14726
GI	6226452	Score	987
Exons	12098..12198, 12284..12920, 14239..14726		
GI Descrip.	HYPOTHETICAL 43.7 KD PROTEIN F7J7.150 gi 2911078 emb CAA17540.1 (AL021960) putative protein [Arabidopsis thaliana]		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2921	Strand	-
Start	10165	End	14726
Name	OJ990503_21.9B05.C7.o2.gp	Method	AAT/GAP
Start	12672	End	14413
GI	LIB3433-025-P1-K1-F2	Score	778
Exons	12672..12920, 14239..14413		
GI Descrip.	'2911078/emb CAA17540.1 2.0e-47 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2922	Strand	-
Start	15964	End	21515
Name	OJ990503_21.9B05.C7.o4.gs	Method	GENSCAN
Start	15964	End	21515
GI	none	Score	.6
Exons	15964..16120, 17181..17293, 17316..17549, 18106..18329, 21449..21515		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2922	Strand	-
Start	15964	End	21515
Name	OJ990503_21.9B05.C7.o2.np	Method	AAT/NAP
Start	18152	End	20461
GI	114518	Score	142
Exons	18152..18272, 20437..20461		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN gi 279574 pir PWZMA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - maize chloroplast gi 12403 emb CAA28876 (X05255) CF(1) alpha subunit (AA 1-507) [Zea mays] gi 552733 (M27557) phosphorylation coupling factor proteolipid subunit (atpH) [Zea mays] gi 902219 emb CAA60283 (X86563) ATPase alpha subunit [Zea mays]		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2923	Strand	-
Start	23857	End	24857
Name	OJ990503_21.9B05.C7.o3.np	Method	AAT/NAP
Start	23857	End	24857
GI	6815053	Score	310
Exons	23857..24307, 24752..24857		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2924	Strand	-

Start	26421	End	28656
Name	OJ990503_21.9B05.C7.o2.tm	Method	TBLASTX:Maize
Start	66	End	28656
GI	none	Score	68
Exons	66..194, 28199..28279, 28210..28656, 28267..28656		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2924	Strand	-
Start	26421	End	28656
Name	OJ990503_21.9B05.C7.o1.tm	Method	TBLASTX:Maize
Start	11976	End	14332
GI	none	Score	40
Exons	11976..12014, 11976..11999, 12074..12196, 12074..12196, 12076..12198, 12087..12200, 12277..12888, 12285..12920, 12285..12920, 14242..14331, 14246..14332		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2924	Strand	-
Start	26421	End	28656
Name	OJ990503_21.9B05.C7.o3.tc	Method	TBLASTX:Cress
Start	12095	End	12458
GI	none	Score	66
Exons	12095..12199, 12108..12212, 12285..12374, 12387..12458		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2924	Strand	-
Start	26421	End	28656
Name	OJ990503_21.9B05.C7.o1.tc	Method	TBLASTX:Cress
Start	12466	End	12824
GI	none	Score	173
Exons	12466..12645, 12468..12689, 12714..12824		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2924	Strand	-
Start	26421	End	28656
Name	OJ990503_21.9B05.C7.o2.tc	Method	TBLASTX:Cress
Start	12825	End	14664
GI	none	Score	68
Exons	12825..12920, 12826..12888, 14233..14373, 14240..14368, 14524..14664		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2924	Strand	-
Start	26421	End	28656
Name	OJ990503_21.9B05.C7.o4.np	Method	AAT/NAP
Start	26421	End	28632
GI	4454465	Score	219
Exons	26421..26487, 28285..28632		
GI Descrip.	(AC006234) unknown protein [Arabidopsis thaliana]		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2924	Strand	-
Start	26421	End	28656
Name	OJ990503_21.9B05.C7.o6.gs	Method	GENSCAN
Start	28204	End	28638
GI	none	Score	.98
Exons	28204..28638		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2924	Strand	-
Start	26421	End	28656
Name	OJ990503_21.9B05.C7.o2.ts	Method	TBLASTX:Soybean
Start	28447	End	28612
GI	none	Score	68
Exons	28447..28611, 28508..28612		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2925	Strand	
Start	30751	End	31126
Name	OJ990503_21.9B05.C7.o4.tm	Method	TBLASTX:Maize
Start	30751	End	31126
GI	none	Score	91
Exons	30751..30816, 30753..30815, 30756..30821, 30908..31060, 30915..31067, 30921..31070, 31082..31126		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2926	Strand	
Start	32364	End	35110
Name	OJ990503_21.9B05.C7.o3.tm	Method	TBLASTX:Maize
Start	32364	End	35081
GI	none	Score	139
Exons	32364..32444, 32364..32441, 32366..32443, 32940..32999, 32941..33000, 32942..33001, 32943..33002, 33807..33875, 33920..33997, 33921..33983, 33929..33997, 34073..34333, 34073..34333, 34075..34350, 35022..35081, 35025..35081		

Seq. No.	1424	Seq. ID	OJ990503_21.9B05.C7
Gene No.	2926	Strand	
Start	32364	End	35110
Name	OJ990503_21.9B05.C7.o1.ts	Method	TBLASTX:Soybean
Start	34099	End	35110
GI	none	Score	120
Exons	34099..34320, 34102..34326, 34109..34333, 34133..34333, 35025..35108, 35030..35110		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2927	Strand	+
Start	694	End	7308
Name	OJ990503_21.9B05.C8.o1.gs	Method	GENSCAN
Start	694	End	7308
GI	none	Score	.7
Exons	694..847, 932..956, 1489..1590, 1626..1813, 2146..2195, 3064..3153, 3302..3431, 4031..4105, 5506..5640, 6641..6715, 6801..7012, 7104..7157, 7264..7308		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2927	Strand	+
Start	694	End	7308
Name	OJ990503_21.9B05.C8.o1.gp	Method	AAT/GAP
Start	5561	End	6278
GI	5455455	Score	1382
Exons	5561..6278		
GI Descrip.	20237/emb X51910 OSGOS2G 0.0e+00 O.sativa (rice) constitutive GOS2 gene		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2927	Strand	+
Start	694	End	7308
Name	OJ990503_21.9B05.C8.o3.gp	Method	AAT/GAP
Start	6640	End	7014
GI	701188	Score	483
Exons	6640..6715, 6801..7014		
GI Descrip.	4585973/gb AAD25609.1 AC005287_11 3.0e-22 (AC005287) translation initiation factor [Arabidopsis thaliana]		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2927	Strand	+
Start	694	End	7308
Name	OJ990503_21.9B05.C8.o4.gp	Method	AAT/GAP
Start	6640	End	7014
GI	701188	Score	479
Exons	6640..6715, 6801..7014		
GI Descrip.	4585973/gb AAD25609.1 AC005287_11 3.0e-22 (AC005287) translation initiation factor [Arabidopsis thaliana]		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2927	Strand	+
Start	694	End	7308
Name	OJ990503_21.9B05.C8.o2.gp	Method	AAT/GAP
Start	6641	End	7013
GI	701188	Score	491
Exons	6641..6715, 6801..7013		
GI Descrip.	4585973/gb AAD25609.1 AC005287_11 3.0e-22 (AC005287) translation initiation factor [Arabidopsis thaliana]		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2927	Strand	+
Start	694	End	7308
Name	OJ990503_21.9B05.C8.o1.np	Method	AAT/NAP
Start	6679	End	7305
GI	462195	Score	503
Exons	6679..6715, 6801..7012, 7104..7157, 7264..7305		
GI Descrip.	PROTEIN TRANSLATION FACTOR SUI1 HOMOLOG (GOS2 PROTEIN) gi 100682 pir S21636 GOS2 protein - rice gi 20238 emb CAA36190 (X51910) GOS2 [Oryza sativa] gi 3789950 (AF094774) translation initiation factor [Oryza sativa]		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2928	Strand	+
Start	12517	End	13072
Name	OJ990503_21.9B05.C8.o3.gs	Method	GENSCAN
Start	12517	End	13072
GI	none	Score	.66
Exons	12517..12604, 12975..13072		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2929	Strand	+
Start	19395	End	19826
Name	OJ990503_21.9B05.C8.o4.np	Method	AAT/NAP
Start	19395	End	19826
GI	6006381	Score	310

Exons 19395..19826
 GI Descrip. (AP000559) hypothetical protein [Oryza sativa]

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2930	Strand	-
Start	7170	End	7532
Name	OJ990503_21.9B05.C8.o5.gp	Method	AAT/GAP
Start	7170	End	7532
GI	5455456	Score	695
Exons	7170..7532		
GI Descrip.	20237/emb X51910 OSGOS2G 0.0e+00 O.sativa (rice) constitutive GOS2 gene		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2931	Strand	-
Start	9751	End	11362
Name	OJ990503_21.9B05.C8.o2.gs	Method	GENSCAN
Start	9751	End	11242
GI	none	Score	.84
Exons	9751..10165, 10559..10761, 10853..10953, 11032..11242		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2931	Strand	-
Start	9751	End	11362
Name	OJ990503_21.9B05.C8.o2.np	Method	AAT/NAP
Start	9757	End	11236
GI	6554196	Score	828
Exons	9757..10149, 10558..10761, 10853..10959, 11026..11236		
GI Descrip.	(AC011661) T23J18.21 [Arabidopsis thaliana]		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2931	Strand	-
Start	9751	End	11362
Name	OJ990503_21.9B05.C8.o6.gp	Method	AAT/GAP
Start	10643	End	11362
GI	70518_1.R1084	Score	971
Exons	10643..10761, 10853..10953, 11032..11362		
GI Descrip.	'1498168/dbj BAA13163 2.0e-14 (D86730) endoxyloglucan transferase related protein [Nicotiana tabacum]'		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o5.tm	Method	TBLASTX:Maize
Start	169	End	406
GI	none	Score	87
Exons	169..222, 172..225, 179..223, 180..227, 310..405, 311..406, 317..406		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o5.ts	Method	TBLASTX:Soybean
Start	171	End	996
GI	none	Score	72
Exons	171..203, 172..225, 311..409, 314..406, 316..411, 319..408, 533..562, 541..561, 760..846, 930..995, 931..996		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o2.tw	Method	TBLASTX:Wheat
Start	1687	End	15555
GI	none	Score	64
Exons	1687..1773, 14903..15001, 15052..15156, 15093..15155, 15175..15276, 15177..15275, 15346..15555, 15354..15554		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o2.tm	Method	TBLASTX:Maize
Start	5481	End	7469
GI	none	Score	55
Exons	5481..5531, 5590..5616, 6633..6677, 6643..6678, 6667..6714, 6669..6716, 6671..6751, 6677..6727, 6754..7014, 6799..6915, 6800..7012, 7093..7146, 7101..7157, 7103..7180, 7104..7181, 7243..7365, 7261..7323, 7262..7330, 7345..7395, 7422..7469, 7423..7455		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o2.ts	Method	TBLASTX:Soybean
Start	6631	End	7341
GI	none	Score	63
Exons	6631..6714, 6672..6725, 6672..6713, 6807..7004, 6836..7015, 6848..7015, 7101..7169, 7102..7140, 7103..7180, 7104..7181, 7242..7331, 7243..7341, 7261..7308, 7263..7310		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o1.tw	Method	TBLASTX:Wheat
Start	6675	End	7520
GI	none	Score	65
Exons	6675..6713, 6676..6714, 6676..6714, 6799..6915, 6800..7012, 6805..7014, 7093..7158, 7096..7158, 7103..7162, 7103..7180, 7104..7181, 7247..7339, 7261..7419, 7263..7337, 7384..7452, 7422..7448, 7473..7520, 7478..7519		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o4.tc	Method	TBLASTX:Cress
Start	6676	End	7350
GI	none	Score	60
Exons	6676..6714, 6676..6714, 6836..6997, 6843..6998, 6848..7015, 6970..7014, 7101..7163, 7102..7164, 7104..7169, 7243..7350, 7263..7313		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o3.tc	Method	TBLASTX:Cress

Start	9773	End	10165
GI	none	Score	58
Exons	9773..9937, 9775..9918, 9958..10113, 9959..10114, 9997..10137, 10004..10123, 10117..10164, 10118..10165		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o4.ts	Method	TBLASTX:Soybean
Start	9775	End	10653
GI	none	Score	77
Exons	9775..9915, 9776..9958, 9964..10170, 9980..10102, 10558..10653		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o4.tm	Method	TBLASTX:Maize
Start	9793	End	10710
GI	none	Score	127
Exons	9793..9879, 9952..10170, 9959..10171, 10540..10710, 10559..10708		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o2.tc	Method	TBLASTX:Cress
Start	10577	End	11128
GI	none	Score	122
Exons	10577..10762, 10579..10761, 10838..10957, 10839..10946, 11030..11128		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o3.ts	Method	TBLASTX:Soybean
Start	10657	End	11200
GI	none	Score	66
Exons	10657..10761, 10661..10762, 10838..10957, 10839..10946, 11030..11200		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o3.tm	Method	TBLASTX:Maize
Start	10711	End	11225
GI	none	Score	63
Exons	10711..10764, 10711..10761, 10803..10946, 10850..10957, 10927..10956, 11019..11126, 11030..11128, 11103..11165, 11175..11225		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o7.gp	Method	AAT/GAP
Start	14907	End	16389
GI	1162_2.R1084	Score	2391
Exons	14907..15275, 15354..16299, 16365..16389		
GI Descrip.	'2501189/sp Q41738 TH41_MAIZE 1.0e-131 THIAMINE BIOSYNTHETIC		

ENZYME 1-1 PRECURSOR >gi_2130146_pir_S61419 thiamine
 biosynthetic enzyme thil-1 - maize >gi_596078 (U17350) thiamine
 biosynthetic enzyme [Zea mays]'

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	15097	End	16305
GI	none	Score	150
Exons	15097..15123, 15123..15275, 15181..15276, 15346..16137, 15354..16136, 16137..16217, 16201..16305		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o1.tc	Method	TBLASTX:Cress
Start	15102	End	16160
GI	none	Score	38
Exons	15102..15152, 15106..15153, 15180..15275, 15184..15276, 15346..15933, 15354..16160, 16006..16158		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o1.ts	Method	TBLASTX:Soybean
Start	15102	End	16119
GI	none	Score	101
Exons	15102..15152, 15183..15275, 15184..15288, 15346..16119, 15354..16097		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o4.gs	Method	GENSCAN
Start	15102	End	16238
GI	none	Score	.99
Exons	15102..15275, 15354..16238		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o3.np	Method	AAT/NAP
Start	15105	End	16241
GI	2501189	Score	1427
Exons	15105..15275, 15354..16241		
GI Descrip.	THIAMINE BIOSYNTHETIC ENZYME 1-1 PRECURSOR gi 2130146 pir S61419 thiamine biosynthetic enzyme thil-1 - maize gi 596078 (U17350) thiamine biosynthetic enzyme [Zea mays]		

Seq. No.	1425	Seq. ID	OJ990503_21.9B05.C8
Gene No.	2932	Strand	-
Start	15102	End	16389
Name	OJ990503_21.9B05.C8.o3.tw	Method	TBLASTX:Wheat
Start	15574	End	15860
GI	none	Score	336
Exons	15574..15858, 15574..15636, 15576..15860		

Seq. No.	1426	Seq. ID	OJ990503_21.9B05.C9
Gene No.	2933	Strand	+
Start	196	End	5878
Name	OJ990503_21.9B05.C9.o1.gs	Method	GENSCAN
Start	196	End	5878
GI	none	Score	.74
Exons	196..201, 1966..2015, 4561..4657, 5177..5285, 5447..5530, 5811..5878		
Seq. No.	1426	Seq. ID	OJ990503_21.9B05.C9
Gene No.	2934	Strand	-
Start	6136	End	8195
Name	OJ990503_21.9B05.C9.o1.gp	Method	AAT/GAP
Start	6136	End	8195
GI	LIB3477-003-P1-K1-E9	Score	151
Exons	6136..6189, 8149..8195		
GI Descrip:	'2498586/sp Q40638 MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771). Ory s 1 [Oryza sativa]'		
Seq. No.	1426	Seq. ID	OJ990503_21.9B05.C9
Gene No.	2934	Strand	-
Start	6136	End	8195
Name	OJ990503_21.9B05.C9.o2.gs	Method	GENSCAN
Start	7466	End	7941
GI	none	Score	.67
Exons	7466..7486, 7693..7941		
Seq. No.	1427	Seq. ID	OJ990503_21.9B05.C10
Gene No.	2935	Strand	-
Start	422	End	2881
Name	OJ990503_21.9B05.C10.o1.gs	Method	GENSCAN
Start	422	End	2881
GI	none	Score	.7
Exons	422..504, 621..682, 1558..1626, 1665..1779, 1929..2085, 2286..2406, 2665..2707, 2823..2881		
Seq. No.	1428	Seq. ID	OJ990503_21.9B05.C12
Gene No.	2936	Strand	-
Start	1	End	523
Name	OJ990503_21.9B05.C12.o1.np	Method	AAT/NAP
Start	1	End	523
GI	6466937	Score	253
Exons	1..523		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	1428	Seq. ID	OJ990503_21.9B05.C12
Gene No.	2936	Strand	-
Start	1	End	523
Name	OJ990503_21.9B05.C12.o1.tm	Method	TBLASTX:Maize
Start	43	End	522
GI	none	Score	44
Exons	43..522, 116..220, 332..466		
Seq. No.	1428	Seq. ID	OJ990503_21.9B05.C12

Gene No.	2936	Strand	-
Start	1	End	523
Name	OJ990503_21.9B05.C12.o1.tw	Method	TBLASTX:Wheat
Start	244	End	523
GI	none	Score	86
Exons	244..522, 296..523		

Seq. No.	1429	Seq. ID	OJ990913_20.9B18.C1
Gene No.	2937	Strand	-
Start	1	End	499
Name	OJ990913_20.9B18.C1.o1.np	Method	AAT/NAP
Start	1	End	499
GI	4115525	Score	91
Exons	1..80, 335..499		
GI Descrip.	(AB011667) dihydroflavonol 4-reductase [Ipomoea purpurea]		

Seq. No.	1429	Seq. ID	OJ990913_20.9B18.C1
Gene No.	2937	Strand	-
Start	1	End	499
Name	OJ990913_20.9B18.C1.o1.tm	Method	TBLASTX:Maize
Start	332	End	499
GI	none	Score	183
Exons	332..499, 335..499		

Seq. No.	1429	Seq. ID	OJ990913_20.9B18.C1
Gene No.	2937	Strand	-
Start	1	End	499
Name	OJ990913_20.9B18.C1.o1.gs	Method	GENSCAN
Start	335	End	496
GI	none	Score	.98
Exons	335..496		

Seq. No.	1429	Seq. ID	OJ990913_20.9B18.C1
Gene No.	2937	Strand	-
Start	1	End	499
Name	OJ990913_20.9B18.C1.o1.tw	Method	TBLASTX:Wheat
Start	335	End	499
GI	none	Score	98
Exons	335..493, 339..494, 353..499, 391..498		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2938	Strand	+
Start	14093	End	15160
Name	OJ990913_20.9B18.C4.o3.gs	Method	GENSCAN
Start	14093	End	15160
GI	none	Score	.99
Exons	14093..14123, 14724..15160		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2939	Strand	+
Start	31546	End	33338
Name	OJ990913_20.9B18.C4.o6.gs	Method	GENSCAN
Start	31546	End	33338
GI	none	Score	.53
Exons	31546..31579, 31762..32078, 32855..32899, 33132..33338		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
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Gene No.	2939	Strand	+
Start	31546	End	33338
Name	OJ990913_20.9B18.C4.o3.np	Method	AAT/NAP
Start	31952	End	33229
GI	5803270	Score	539
Exons	31952..32113, 32191..32334, 33132..33229		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2940	Strand	+
Start	41969	End	45585
Name	OJ990913_20.9B18.C4.o5.gp	Method	AAT/GAP
Start	41969	End	45585
GI	7786_1.R1084	Score	1273
Exons	41969..42070, 42727..42773, 43480..43599, 43690..43818, 44123..44252, 45404..45585		
GI Descrip.	'3915186/sp O60015 UBCX_PICAN 7.0e-27 UBIQUITIN-CONJUGATING ENZYME E2-21 KD (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (PEROXIN-4) >gi_3128447 (AF061604) ubiquitin-conjugating enzyme homolog peroxin 4 [Pichia angusta]'		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2940	Strand	+
Start	41969	End	45585
Name	OJ990913_20.9B18.C4.o6.np	Method	AAT/NAP
Start	43477	End	44512
GI	5381319	Score	184
Exons	43477..43599, 43690..43815, 44123..44287, 44469..44512		
GI Descrip.	(AF091621) ubiquitin-conjugating enzyme E2 [Catharanthus roseus]		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2941	Strand	+
Start	55274	End	55373
Name	OJ990913_20.9B18.C4.o7.gp	Method	AAT/GAP
Start	55274	End	55373
GI	LIB3477-003-P1-K1-E9	Score	145
Exons	55274..55373		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2942	Strand	-
Start	397	End	9309
Name	OJ990913_20.9B18.C4.o1.gs	Method	GENSCAN
Start	397	End	9309
GI	none	Score	.63
Exons	397..484, 1576..1727, 1919..1959, 2366..2505, 3687..3762, 3948..4149, 4739..4977, 5142..7823, 7828..7923, 8821..8943, 8988..9309		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2942	Strand	-
Start	397	End	9309
Name	OJ990913_20.9B18.C4.o1.gp	Method	AAT/GAP
Start	2373	End	4100
GI	none	Score	781

Exons 2373..2501, 3594..3762, 3948..4100

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2942	Strand	-
Start	397	End	9309
Name	OJ990913_20.9B18.C4.o1.np	Method	AAT/NAP
Start	4604	End	7887
GI	2586083	Score	2453
Exons	4604..4977, 5142..7325, 7473..7887		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2943	Strand	-
Start	10554	End	11266
Name	OJ990913_20.9B18.C4.o2.gs	Method	GENSCAN
Start	10554	End	11266
GI	none	Score	.78
Exons	10554..10623, 11157..11266		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2944	Strand	-
Start	21684	End	30284
Name	OJ990913_20.9B18.C4.o5.gs	Method	GENSCAN
Start	21684	End	30135
GI	none	Score	.67
Exons	21684..21831, 22548..22605, 24045..24129, 24187..24336, 24396..24519, 25223..25333, 25520..25553, 26626..26685, 26824..26970, 27120..27401, 27634..27927, 28836..29027, 30045..30135		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2944	Strand	-
Start	21684	End	30284
Name	OJ990913_20.9B18.C4.o2.gp	Method	AAT/GAP
Start	23154	End	23716
GI	none	Score	1087
Exons	23154..23716		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2944	Strand	-
Start	21684	End	30284
Name	OJ990913_20.9B18.C4.o3.gp	Method	AAT/GAP
Start	26793	End	30284
GI	109_1.R1084	Score	2245
Exons	26793..26970, 27120..27401, 27634..27927, 28836..29027, 30045..30284		
GI Descrip.	'4835588/dbj BAA77679.1 0.0e+00 (AB027054) nitrilase-like protein [Oryza sativa]'		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2944	Strand	-
Start	21684	End	30284
Name	OJ990913_20.9B18.C4.o2.np	Method	AAT/NAP
Start	26801	End	30192
GI	4835588	Score	1770
Exons	26801..26970, 27120..27401, 27634..27927, 28836..29027, 30045..30192		

GI Descrip. (AB027054) nitrilase-like protein [Oryza sativa]

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2945	Strand	-
Start	33606	End	53102
Name	OJ990913_20.9B18.C4.o4.np	Method	AAT/NAP
Start	33606	End	36266
GI	4835588	Score	1325
Exons	33606..33775, 33998..34279, 34533..34826, 35398..35577, 36119..36266		

GI Descrip. (AB027054) nitrilase-like protein [Oryza sativa]

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2945	Strand	-
Start	33606	End	53102
Name	OJ990913_20.9B18.C4.o7.gs	Method	GENSCAN
Start	33606	End	47668
GI	none	Score	.74
Exons	33606..33775, 33998..34279, 34533..34826, 35398..35577, 36119..36246, 36342..36490, 36519..36662, 37878..38046, 38060..38122, 38277..38362, 38609..38678, 39297..39364, 39543..39618, 40312..40390, 40428..40532, 41245..41294, 41452..41627, 41913..42326, 44106..44219, 46374..46479, 46588..46680, 46775..46911, 47003..47299, 47385..47473, 47566..47668		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2945	Strand	-
Start	33606	End	53102
Name	OJ990913_20.9B18.C4.o4.gp	Method	AAT/GAP
Start	37521	End	41810
GI	20015_1.R1084	Score	1895
Exons	37521..37800, 37919..37984, 38060..38122, 38277..38362, 38609..38678, 39297..39364, 39543..39618, 40312..40358, 40468..40532, 41452..41528, 41628..41810		

GI Descrip. '2570505 1.0e-119 (AF022735) proteasome component [Oryza sativa]'

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2945	Strand	-
Start	33606	End	53102
Name	OJ990913_20.9B18.C4.o5.np	Method	AAT/NAP
Start	37668	End	41668
GI	2570505	Score	798
Exons	37668..37800, 37919..37984, 38060..38122, 38277..38362, 38609..38678, 39297..39364, 39543..39618, 40312..40358, 40468..40532, 41452..41528, 41628..41668		

GI Descrip. (AF022735) proteasome component [Oryza sativa]

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2945	Strand	-
Start	33606	End	53102
Name	OJ990913_20.9B18.C4.o6.gp	Method	AAT/GAP
Start	45950	End	47249
GI	4481_1.R1084	Score	1622
Exons	45950..46297, 46374..46479, 46588..46680, 46775..46911, 47003..47180, 47229..47249		

GI Descrip. '2493493/sp|P55747|CP21_HORVU 2.0e-56 SERINE CARBOXYPEPTIDASE II-1 PRECURSOR (CP-MII.1) >gi_619352_bbs_153538 CP-MII.1=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 324 aa] >gi_6093206_emb_CAB58992.1_ (X78876) serine carboxypeptidase II-1 [Hordeum vulgare]'

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2945	Strand	-
Start	33606	End	53102
Name	OJ990913_20.9B18.C4.o7.np	Method	AAT/NAP
Start	46154	End	53102
GI	2443888	Score	891
Exons	46154..46279, 46374..46479, 46588..46683, 46775..46894, 47021..47299, 47346..47473, 47566..47658, 47761..47856, 47982..48089, 52832..53102		

GI Descrip. (AC002294) similar to serine carboxypeptidases [Arabidopsis thaliana]

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o6.tc	Method	TBLASTX:Cress
Start	2244	End	3763
GI	none	Score	67
Exons	2244..2387, 2257..2340, 2433..2507, 2443..2508, 3596..3754, 3596..3763		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o9.tm	Method	TBLASTX:Maize
Start	2247	End	4030
GI	none	Score	107
Exons	2247..2393, 2248..2394, 2388..2504, 2401..2490, 2433..2504, 2443..2508, 3599..3766, 3599..3766, 3604..3777, 3940..4029, 3950..4030		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o6.ts	Method	TBLASTX:Soybean
Start	2433	End	3763
GI	none	Score	96
Exons	2433..2507, 3596..3754, 3596..3763		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o2.ts	Method	TBLASTX:Soybean
Start	4790	End	5727
GI	none	Score	67
Exons	4790..4987, 4830..4979, 5143..5187, 5203..5394, 5204..5371, 5221..5373, 5377..5568, 5410..5607, 5417..5605, 5638..5727		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072

Name	OJ990913_20.9B18.C4.o3.tc	Method	TBLASTX:Cress
Start	4880	End	7716
GI	none	Score	75
Exons	4880..4987, 5143..5358, 5503..5607, 5932..6048, 5947..6321, 5992..6336, 5995..6321, 5995..6321, 5995..6324, 5995..6321, 5995..6321, 5995..6321, 5995..6345, 5998..6321, 6053..6301, 6056..6235, 6062..6301, 6068..6295, 6068..6295, 6136..6321, 6140..6307, 6140..6301, 6211..6324, 6212..6325, 6331..6657, 6331..6627, 6358..6666, 6412..6663, 6430..6666, 6430..6657, 6430..6666, 6433..6666, 6718..6789, 6721..6786, 6823..7029, 6826..7029, 6826..6978, 6826..7002, 7015..7119, 7015..7119, 7018..7119, 7021..7119, 7021..7119, 7163..7186, 7174..7443, 7174..7428, 7174..7437, 7174..7329, 7174..7332, 7174..7431, 7174..7452, 7225..7473, 7228..7332, 7231..7428, 7453..7614, 7456..7614, 7465..7614, 7537..7602, 7681..7716		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o6.tm	Method	TBLASTX:Maize
Start	5188	End	5575
GI	none	Score	208
Exons	5188..5574, 5201..5575		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o4.ts	Method	TBLASTX:Soybean
Start	5920	End	7614
GI	none	Score	99
Exons	5920..6321, 5921..6307, 5932..6315, 5989..6369, 5992..6258, 5995..6369, 5995..6348, 6064..6321, 6068..6148, 6085..6306, 6140..6310, 6211..6324, 6212..6319, 6328..6621, 6328..6603, 6331..6525, 6358..6666, 6358..6609, 6359..6448, 6412..6771, 6414..6515, 6415..6666, 6416..6472, 6418..6666, 6430..6663, 6430..6657, 6431..6637, 6718..6774, 6718..6771, 6826..7029, 6826..7029, 6826..7107, 6856..7119, 6871..7029, 6872..7009, 6872..6979, 7015..7122, 7021..7113, 7030..7119, 7031..7186, 7174..7482, 7174..7440, 7174..7443, 7174..7413, 7174..7329, 7174..7200, 7210..7323, 7270..7329, 7381..7440, 7465..7602, 7537..7614		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o10.tm	Method	TBLASTX:Maize
Start	5992	End	7614
GI	none	Score	92
Exons	5992..6354, 5993..6295, 5995..6321, 5995..6321, 5995..6195, 5995..6321, 6140..6307, 6232..6321, 6322..6666, 6331..6627, 6359..6514, 6430..6666, 6715..6777, 6823..7029, 6826..7029, 7015..7464, 7016..7198, 7103..7330, 7174..7467, 7174..7437, 7195..7428, 7453..7614, 7456..7614, 7537..7614		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072

Name	OJ990913_20.9B18.C4.o4.tw	Method	TBLASTX:Wheat
Start	6238	End	7779
GI	none	Score	69
Exons	6238..6321, 7211..7339, 7534..7695, 7535..7681, 7598..7771, 7675..7779		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o2.tw	Method	TBLASTX:Wheat
Start	6412	End	7113
GI	none	Score	135
Exons	6412..6609, 6647..6898, 6718..7077, 7030..7113		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o7.tm	Method	TBLASTX:Maize
Start	26847	End	34238
GI	none	Score	157
Exons	26847..26972, 26847..26969, 26876..26971, 27121..27357, 27122..27358, 27124..27360, 27179..27358, 33642..33776, 33652..33777, 33998..34234, 33999..34238, 34000..34236		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o2.tc	Method	TBLASTX:Cress
Start	26852	End	36188
GI	none	Score	68
Exons	26852..26953, 26856..26972, 26864..26971, 27121..27414, 27122..27406, 27604..27900, 27618..27929, 27632..27928, 28834..28911, 28927..29034, 28931..28993, 30040..30138, 30041..30139, 33654..33776, 33700..33777, 33999..34280, 34000..34281, 34004..34282, 34523..34828, 34528..34827, 35396..35584, 35397..35543, 35399..35578, 35457..35585, 36120..36188, 36124..36180		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o1.tw	Method	TBLASTX:Wheat
Start	26867	End	34282
GI	none	Score	154
Exons	26867..26971, 26868..26972, 27121..27429, 27122..27403, 27632..27667, 33672..33776, 33693..33776, 33694..33792, 33760..33780, 33994..34281, 33999..34280, 34001..34282		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o8.ts	Method	TBLASTX:Soybean
Start	27272	End	34651
GI	none	Score	172
Exons	27272..27406, 27274..27414, 27274..27429, 27618..27749, 27623..27754, 27632..27751, 34150..34281, 34152..34280, 34153..34281, 34512..34649, 34523..34651, 34528..34650		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o8.tm	Method	TBLASTX:Maize
Start	27739	End	35581
GI	none	Score	205
Exons	27739..27897, 27740..27928, 27741..27947, 28834..28938, 28835..28903, 28889..28996, 28899..29027, 28903..29028, 28904..29017, 28924..29031, 34639..34827, 34640..34828, 35396..35578, 35396..35581		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o5.ts	Method	TBLASTX:Soybean
Start	27755	End	36179
GI	none	Score	175
Exons	27755..27928, 27759..27929, 28834..28959, 28835..28906, 28922..28990, 28924..29034, 30040..30138, 30041..30127, 34654..34827, 34655..34828, 35396..35584, 35397..35540, 35399..35578, 36120..36179		

Seq. No..	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o12.tm	Method	TBLASTX:Maize
Start	37544	End	41673
GI	none	Score	89
Exons	37544..37588, 37627..37653, 37733..37801, 37739..37813, 37740..37829, 37883..37984, 37918..37983, 37926..37985, 37995..38123, 38055..38123, 38056..38124, 38056..38124, 38268..38363, 38271..38321, 38273..38365, 38273..38365, 38606..38677, 38607..38678, 38608..38679, 38608..38679, 39291..39365, 39296..39367, 39297..39365, 39515..39619, 39541..39621, 39543..39623, 40312..40341, 40314..40367, 40438..40533, 40439..40534, 40467..40535, 41438..41530, 41444..41530, 41448..41552, 41628..41669, 41629..41673, 41630..41668		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o3.tw	Method	TBLASTX:Wheat
Start	38300	End	41676
GI	none	Score	91
Exons	38300..38365, 38304..38363, 38309..38365, 38606..38677, 38607..38678, 38608..38679, 38608..38679, 39297..39365, 39297..39365, 39299..39367, 39541..39621, 39543..39638, 39543..39623, 40312..40347, 40312..40365, 40313..40366, 40314..40367, 40438..40533, 40439..40534, 40467..40535, 41432..41530, 41444..41530, 41448..41534, 41628..41669, 41628..41675, 41629..41676		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072

Name	OJ990913_20.9B18.C4.o3.ts	Method	TBLASTX:Soybean
Start	43477	End	44199
GI	none	Score	199
Exons	43477..43599, 43478..43600, 43479..43598, 43514..43600, 43689..43814, 43689..43817, 43690..43818, 44076..44183, 44099..44197, 44116..44199, 44116..44199		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o5.tm	Method	TBLASTX:Maize
Start	43477	End	45564
GI	none	Score	207
Exons	43477..43599, 43479..43607, 43479..43598, 43543..43611, 43689..43817, 43689..43817, 43690..43818, 44084..44257, 44098..44256, 45399..45491, 45402..45491, 45403..45495, 45403..45498, 45511..45564		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o5.tc	Method	TBLASTX:Cress
Start	43477	End	45489
GI	none	Score	195
Exons	43477..43599, 43478..43600, 43479..43598, 43657..43818, 43689..43817, 43690..43824, 43694..43819, 44084..44257, 44105..44251, 44116..44253, 45391..45489, 45396..45488		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o1.ts	Method	TBLASTX:Soybean
Start	46163	End	53021
GI	none	Score	118
Exons	46163..46300, 46164..46304, 46371..46481, 46372..46482, 46590..46685, 46594..46716, 46769..46921, 46777..46908, 47066..47173, 47091..47192, 47177..47299, 47211..47300, 47353..47475, 47382..47477, 47561..47659, 47565..47672, 47721..47858, 47744..47854, 48028..48090, 48035..48091, 52830..53021, 52831..52986		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o4.tm	Method	TBLASTX:Maize
Start	46163	End	46894
GI	none	Score	112
Exons	46163..46297, 46209..46298, 46371..46481, 46384..46482, 46588..46689, 46590..46688, 46760..46894, 46777..46893		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o1.tc	Method	TBLASTX:Cress
Start	46389	End	47660
GI	none	Score	58
Exons	46389..46481, 46588..46686, 46590..46685, 46775..46909,		

46777..46908, 47060..47299, 47073..47300, 47353..47475,
47382..47477, 47561..47659, 47565..47660

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o1.tm	Method	TBLASTX:Maize
Start	47198	End	48091
GI	none	Score	149
Exons	47198..47299, 47199..47297, 47353..47475, 47382..47477, 47561..47659, 47561..47659, 47565..47672, 47762..47863, 47763..47858, 47953..48090, 47954..48091		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o7.tc	Method	TBLASTX:Cress
Start	47962	End	52997
GI	none	Score	91
Exons	47962..48090, 47966..48109, 52830..52997, 52831..52986		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o13.tm	Method	TBLASTX:Maize
Start	52830	End	52997
GI	none	Score	114
Exons	52830..52997, 52831..52983		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o4.tc	Method	TBLASTX:Cress
Start	58247	End	58570
GI	none	Score	130
Exons	58247..58399, 58248..58400, 58403..58477, 58418..58456, 58466..58525, 58529..58570		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o9.gs	Method	GENSCAN
Start	58247	End	59048
GI	none	Score	.65
Exons	58247..59048		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072
Name	OJ990913_20.9B18.C4.o2.tm	Method	TBLASTX:Maize
Start	58250	End	58588
GI	none	Score	221
Exons	58250..58486, 58250..58477, 58469..58588, 58475..58588		

Seq. No.	1430	Seq. ID	OJ990913_20.9B18.C4
Gene No.	2946	Strand	-
Start	58247	End	59072

Name OJ990913_20.9B18.C4.o8.gp
 Start 58371
 GI none
 Exons 58371..58818

Method AAT/GAP
 End 58818
 Score 852

Seq. No. 1430
 Gene No. 2946
 Start 58247
 Name OJ990913_20.9B18.C4.o9.ts
 Start 58542
 GI none
 Exons 58542..58628, 58544..58651, 58652..58717, 58742..58804, 58743..58805

Seq. ID OJ990913_20.9B18.C4
 Strand -
 End 59072
 Method TBLASTX:Soybean
 End 58805
 Score 89

Seq. No. 1430
 Gene No. 2946
 Start 58247
 Name OJ990913_20.9B18.C4.o11.tm
 Start 58598
 GI none
 Exons 58598..58786, 58598..58786, 58608..58787

Seq. ID OJ990913_20.9B18.C4
 Strand -
 End 59072
 Method TBLASTX:Maize
 End 58787
 Score 178

Seq. No. 1430
 Gene No. 2946
 Start 58247
 Name OJ990913_20.9B18.C4.o3.tm
 Start 58788
 GI none
 Exons 58788..59072, 58790..59071

Seq. ID OJ990913_20.9B18.C4
 Strand -
 End 59072
 Method TBLASTX:Maize
 End 59072
 Score 338

Seq. No. 1430
 Gene No. 2946
 Start 58247
 Name OJ990913_20.9B18.C4.o7.ts
 Start 58848
 GI none
 Exons 58848..58976, 58850..59053, 58851..59054

Seq. ID OJ990913_20.9B18.C4
 Strand -
 End 59072
 Method TBLASTX:Soybean
 End 59054
 Score 141

Seq. No. 1431
 Gene No. 2947
 Start 128
 Name OJ990713_11.9B12.C1.o1.gs
 Start 128
 GI none
 Exons 128..223

Seq. ID OJ990713_11.9B12.C1
 Strand +
 End 223
 Method GENSCAN
 End 223
 Score .95

Seq. No. 1432
 Gene No. 2948
 Start 330
 Name OJ990713_11.9B12.C2.o1.gp
 Start 330
 GI 7406_1.R1084
 Exons 330..437

Seq. ID OJ990713_11.9B12.C2
 Strand +
 End 437
 Method AAT/GAP
 End 437
 Score 142

GI Descrip. '1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'

Seq. No. 1433
 Seq. ID OJ990713_11.9B12.C4

Gene No.	2949	Strand	-
Start	257	End	1885
Name	OJ990713_11.9B12.C4.o1.np	Method	AAT/NAP
Start	257	End	1885
GI	6539588	Score	212
Exons	257..297, 1594..1885		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	1434	Seq. ID	OJ990713_11.9B12.C6
Gene No.	2950	Strand	-
Start	1326	End	7728
Name	OJ990713_11.9B12.C6.o1.gs	Method	GENSCAN
Start	1326	End	7728
GI	none	Score	.66
Exons	1326..1450, 1553..1595, 2674..2726, 2772..2976, 4233..4441, 5621..5844, 7523..7728		

Seq. No.	1435	Seq. ID	OJ990713_11.9B12.C7
Gene No.	2951	Strand	+
Start	1324	End	1800
Name	OJ990713_11.9B12.C7.o1.gs	Method	GENSCAN
Start	1324	End	1800
GI	none	Score	.96
Exons	1324..1410, 1679..1800		

Seq. No.	1436	Seq. ID	OJ990713_11.9B12.C8
Gene No.	2952	Strand	+
Start	328	End	1895
Name	OJ990713_11.9B12.C8.o1.np	Method	AAT/NAP
Start	328	End	1892
GI	3377812	Score	123
Exons	328..408, 1418..1493, 1573..1793, 1826..1892		
GI Descrip.	(AF076275) contains similarity to heavy-metal-associated domain containing proteins (Pfam: HMA.hm, score: 12.02) [Arabidopsis thaliana]		

Seq. No.	1436	Seq. ID	OJ990713_11.9B12.C8
Gene No.	2952	Strand	+
Start	328	End	1895
Name	OJ990713_11.9B12.C8.o2.gs	Method	GENSCAN
Start	1268	End	1895
GI	none	Score	.9
Exons	1268..1321, 1418..1493, 1573..1895		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2953	Strand	+
Start	270	End	2886
Name	OJ990713_11.9B12.C9.o1.np	Method	AAT/NAP
Start	270	End	2476
GI	4455287	Score	332
Exons	270..434, 1135..1225, 1263..1362, 1452..1616, 2342..2476		
GI Descrip.	(AL035527) putative protein [Arabidopsis thaliana]		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2953	Strand	+
Start	270	End	2886
Name	OJ990713_11.9B12.C9.o1.gs	Method	GENSCAN

Start	303	End	2886
GI	none	Score	.9
Exons	303..434, 1452..1616, 2558..2635, 2788..2886		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2953	Strand	+
Start	270	End	2886
Name	OJ990713_11.9B12.C9.o1.gp	Method	AAT/GAP
Start	1135	End	1653
GI	LIB3433-060-P1-K1-D2	Score	544
Exons	1135..1225, 1310..1362, 1452..1653		
GI Descrip.	'4455287/emb CAB36823.1 4.0e-27 (AL035527) putative protein [Arabidopsis thaliana]'		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2953	Strand	+
Start	270	End	2886
Name	OJ990713_11.9B12.C9.o2.np	Method	AAT/NAP
Start	2352	End	2877
GI	4038034	Score	311
Exons	2352..2459, 2558..2635, 2788..2877		
GI Descrip.	(AC005936) unknown protein [Arabidopsis thaliana]		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2954	Strand	+
Start	3547	End	4253
Name	OJ990713_11.9B12.C9.o2.gs	Method	GENSCAN
Start	3547	End	4253
GI	none	Score	1
Exons	3547..3995, 4097..4253		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2955	Strand	-
Start	5721	End	6797
Name	OJ990713_11.9B12.C9.o3.gs	Method	GENSCAN
Start	5721	End	6797
GI	none	Score	.94
Exons	5721..6797		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2955	Strand	-
Start	5721	End	6797
Name	OJ990713_11.9B12.C9.o3.np	Method	AAT/NAP
Start	5736	End	6747
GI	4406768	Score	608
Exons	5736..6361, 6398..6747		
GI Descrip.	(AC006836) putative steroid sulfotransferase [Arabidopsis thaliana]		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2956	Strand	-
Start	8218	End	12256
Name	OJ990713_11.9B12.C9.o3.ts	Method	TBLASTX:Soybean
Start	342	End	1619
GI	none	Score	91
Exons	342..437, 357..434, 1135..1239, 1143..1223, 1303..1434, 1449..1619, 1449..1616		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2956	Strand	-
Start	8218	End	12256
Name	OJ990713_11.9B12.C9.o5.tm	Method	TBLASTX:Maize
Start	342	End	1619
GI	none	Score	107
Exons	342..437, 348..419, 1135..1224, 1137..1226, 1137..1229, 1449..1619, 1451..1612		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2956	Strand	-
Start	8218	End	12256
Name	OJ990713_11.9B12.C9.o3.tc	Method	TBLASTX:Cress
Start	1448	End	2874
GI	none	Score	216
Exons	1448..1609, 1452..1619, 2003..2125, 2027..2125, 2336..2512, 2337..2471, 2552..2590, 2591..2638, 2773..2874		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2956	Strand	-
Start	8218	End	12256
Name	OJ990713_11.9B12.C9.o3.tm	Method	TBLASTX:Maize
Start	2015	End	2877
GI	none	Score	107
Exons	2015..2125, 2027..2125, 2336..2452, 2337..2462, 2415..2468, 2552..2638, 2556..2633, 2558..2635, 2773..2877		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2956	Strand	-
Start	8218	End	12256
Name	OJ990713_11.9B12.C9.o1.ts	Method	TBLASTX:Soybean
Start	2078	End	2874
GI	none	Score	65
Exons	2078..2125, 2336..2518, 2337..2471, 2552..2635, 2557..2634, 2558..2662, 2773..2874		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2956	Strand	-
Start	8218	End	12256
Name	OJ990713_11.9B12.C9.o4.tm	Method	TBLASTX:Maize
Start	3981	End	4184
GI	none	Score	234
Exons	3981..4184, 3981..4145, 3983..4162		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2956	Strand	-
Start	8218	End	12256
Name	OJ990713_11.9B12.C9.o1.tc	Method	TBLASTX:Cress
Start	5901	End	6695
GI	none	Score	98
Exons	5901..6131, 5902..6129, 6138..6353, 6201..6326, 6408..6461, 6456..6695, 6493..6561, 6541..6576		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2956	Strand	-
Start	8218	End	12256

Name	OJ990713_11.9B12.C9.o2.tm	Method	TBLASTX:Maize
Start	6060	End	6315
GI	none	Score	278
Exons	6060..6311, 6060..6311, 6061..6315		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2956	Strand	-
Start	8218	End	12256
Name	OJ990713_11.9B12.C9.o6.tm	Method	TBLASTX:Maize
Start	6418	End	6636
GI	none	Score	147
Exons	6418..6636, 6420..6635		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2956	Strand	-
Start	8218	End	12256
Name	OJ990713_11.9B12.C9.o1.tw	Method	TBLASTX:Wheat
Start	6420	End	6629
GI	none	Score	101
Exons	6420..6551, 6420..6629, 6421..6591		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2956	Strand	-
Start	8218	End	12256
Name	OJ990713_11.9B12.C9.o4.gs	Method	GENSCAN
Start	8218	End	12147
GI	none	Score	.84
Exons	8218..8235, 8459..8588, 8778..9430, 9516..10017, 11966..12147		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2956	Strand	-
Start	8218	End	12256
Name	OJ990713_11.9B12.C9.o4.np	Method	AAT/NAP
Start	8409	End	12256
GI	6686402	Score	803
Exons	8409..8676, 8778..9033, 9103..9806, 12154..12256		
GI Descrip.	(AC007234) F1E22.16 [Arabidopsis thaliana]		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2956	Strand	-
Start	8218	End	12256
Name	OJ990713_11.9B12.C9.o2.tc	Method	TBLASTX:Cress
Start	8760	End	9358
GI	none	Score	65
Exons	8760..8903, 8780..8917, 8975..9004, 9104..9358		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2956	Strand	-
Start	8218	End	12256
Name	OJ990713_11.9B12.C9.o1.tm	Method	TBLASTX:Maize
Start	8858	End	9815
GI	none	Score	40
Exons	8858..8887, 8859..8888, 8888..8917, 8945..9022, 8946..9023, 9104..9439, 9207..9428, 9525..9647, 9675..9815		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2956	Strand	-

Start	8218	End	12256
Name	OJ990713_11.9B12.C9.o2.ts	Method	TBLASTX:Soybean
Start	9200	End	9457
GI	none	Score	139
Exons	9200..9457, 9207..9431, 9317..9433		

Seq. No.	1437	Seq. ID	OJ990713_11.9B12.C9
Gene No.	2956	Strand	-
Start	8218	End	12256
Name	OJ990713_11.9B12.C9.o5.np	Method	AAT/NAP
Start	11873	End	12256
GI	5734635	Score	386
Exons	11873..12256		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2957	Strand	+
Start	240	End	1363
Name	OJ990713_11.9B12.C10.o1.gs	Method	GENSCAN
Start	240	End	1363
GI	none	Score	.73
Exons	240..309, 311..486, 578..742, 1143..1363		

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2958	Strand	+
Start	10387	End	18062
Name	OJ990713_11.9B12.C10.o5.np	Method	AAT/NAP
Start	10361	End	14269
GI	6598859	Score	634
Exons	10361..10845, 11582..11655, 11710..11806, 11950..12326, 13802..14269		
GI Descrip.	(AC010556) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2958	Strand	+
Start	10387	End	18062
Name	OJ990713_11.9B12.C10.o3.gs	Method	GENSCAN
Start	10387	End	18062
GI	none	Score	.52
Exons	10387..10845, 11989..12303, 13802..14259, 14922..15091, 15142..15311, 15337..15489, 15512..15762, 15822..15959, 17999..18062		

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2959	Strand	+
Start	20309	End	23544
Name	OJ990713_11.9B12.C10.o5.gs	Method	GENSCAN
Start	20309	End	23544
GI	none	Score	.8
Exons	20309..20344, 20469..20635, 20684..20812, 21362..21460, 21807..22182, 22490..22624, 23398..23544		

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2959	Strand	+
Start	20309	End	23544
Name	OJ990713_11.9B12.C10.o3.gp	Method	AAT/GAP
Start	22780	End	23109

GI	3107878	Score	656
Exons	22780..23109		
Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2960	Strand	-
Start	1	End	5997
Name	OJ990713_11.9B12.C10.o1.np	Method	AAT/NAP
Start	1	End	1022
GI	6907086	Score	703
Exons	1..181, 242..1022		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2960	Strand	-
Start	1	End	5997
Name	OJ990713_11.9B12.C10.o3.np	Method	AAT/NAP
Start	1	End	5997
GI	6686402	Score	341
Exons	1..47, 3167..3688, 3761..4297, 5055..5125, 5940..5997		
GI Descrip.	(AC007234) F1E22.16 [Arabidopsis thaliana]		
Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2960	Strand	-
Start	1	End	5997
Name	OJ990713_11.9B12.C10.o2.np	Method	AAT/NAP
Start	702	End	3650
GI	4680186	Score	200
Exons	702..726, 1955..2130, 2601..2663, 3379..3650		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2960	Strand	-
Start	1	End	5997
Name	OJ990713_11.9B12.C10.o2.gs	Method	GENSCAN
Start	2929	End	5234
GI	none	Score	.94
Exons	2929..3018, 3080..3688, 3767..4297, 5055..5234		
Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2961	Strand	-
Start	6343	End	7686
Name	OJ990713_11.9B12.C10.o4.np	Method	AAT/NAP
Start	6343	End	7686
GI	5922628	Score	158
Exons	6343..6576, 7637..7686		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016861 dbj BAA85204.1 (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2962	Strand	-
Start	15304	End	15982
Name	OJ990713_11.9B12.C10.o1.gp	Method	AAT/GAP
Start	15304	End	15982
GI	none	Score	1250
Exons	15304..15982		

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2963	Strand	-
Start	19762	End	20073
Name	OJ990713_11.9B12.C10.o3.tm	Method	TBLASTX:Maize
Start	3161	End	3581
GI	none	Score	132
Exons	3161..3298, 3308..3367, 3383..3562, 3386..3571, 3387..3581		

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2963	Strand	-
Start	19762	End	20073
Name	OJ990713_11.9B12.C10.o3.ts	Method	TBLASTX:Soybean
Start	11986	End	12267
GI	4286385	Score	269
Exons	11986..12267, 11994..12227		
GI Descrip.	1915974 8.0e-43 (U62329) fructokinase [Lycopersicon esculentum] >gi_2102693 (U64818) fructokinase [Lycopersicon esculentum]		

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2963	Strand	-
Start	19762	End	20073
Name	OJ990713_11.9B12.C10.o2.tm	Method	TBLASTX:Maize
Start	12015	End	14030
GI	none	Score	409
Exons	12015..12299, 12016..12297, 12031..12306, 12236..12304, 13798..14028, 13802..14029, 13953..14030		

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2963	Strand	-
Start	19762	End	20073
Name	OJ990713_11.9B12.C10.o2.tw	Method	TBLASTX:Wheat
Start	14033	End	14310
GI	none	Score	79
Exons	14033..14089, 14037..14105, 14037..14084, 14038..14106, 14078..14278, 14085..14288, 14089..14289, 14092..14310		

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2963	Strand	-
Start	19762	End	20073
Name	OJ990713_11.9B12.C10.o5.tm	Method	TBLASTX:Maize
Start	15282	End	15604
GI	none	Score	220
Exons	15282..15452, 15283..15459, 15569..15604, 15569..15604		

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2963	Strand	-
Start	19762	End	20073
Name	OJ990713_11.9B12.C10.o2.gp	Method	AAT/GAP
Start	19509	End	20037
GI	666_4.R1084	Score	901
Exons	19509..20037		
GI Descrip.	'122106/sp P02308 H4_WHEAT 1.0e-33 HISTONE H4 >gi_70771_pir_HSZM4 histone H4 - maize >gi_81642_pir_S06904 histone H4 - Arabidopsis thaliana >gi_2119028_pir_S60475 histone H4 - garden pea >gi_21795_emb_CAA24924 (X00043) histone H4 [Triticum aestivum] >gi_166740 (M17132) histone H4 [Arabidopsis thaliana] >gi_166742 (M17133) histone H4		

[Arabidopsis thaliana] >gi_168499 (M36659) histon'

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2963	Strand	-
Start	19762	End	20073
Name	OJ990713_11.9B12.C10.o4.gs	Method	GENSCAN
Start	19762	End	20073
GI	none	Score	1
Exons	19762..20073		

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2963	Strand	-
Start	19762	End	20073
Name	OJ990713_11.9B12.C10.o1.ts	Method	TBLASTX:Soybean
Start	19763	End	20029
GI	none	Score	314
Exons	19763..20029, 19765..20010		

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2963	Strand	-
Start	19762	End	20073
Name	OJ990713_11.9B12.C10.o1.tc	Method	TBLASTX:Cress
Start	19765	End	20017
GI	none	Score	307
Exons	19765..20010, 19766..20017		

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2963	Strand	-
Start	19762	End	20073
Name	OJ990713_11.9B12.C10.o1.tm	Method	TBLASTX:Maize
Start	19765	End	20029
GI	none	Score	423
Exons	19765..20010, 19766..20029		

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2963	Strand	-
Start	19762	End	20073
Name	OJ990713_11.9B12.C10.o1.tw	Method	TBLASTX:Wheat
Start	19765	End	20029
GI	none	Score	390
Exons	19765..20010, 19766..20029		

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2963	Strand	-
Start	19762	End	20073
Name	OJ990713_11.9B12.C10.o6.np	Method	AAT/NAP
Start	19765	End	20073
GI	122106	Score	523
Exons	19765..20073		

GI Descrip. HISTONE H4 gi|70771|pir||HSZM4 histone H4 - maize
gi|81642|pir||S06904 histone H4 - Arabidopsis thaliana
gi|2119028|pir||S60475 histone H4 - garden pea
gi|21795|emb|CAA24924| (X00043) histone H4 [Triticum aestivum]
gi|166740 (M17132) histone H4 [Arabidopsis thaliana] gi|166742
(M17133) histone H4 [Arabidopsis thaliana] gi|168499 (M36659)
histone H4 (H4C13) [Zea mays]

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2964	Strand	
Start	20691	End	23736
Name	OJ990713_11.9B12.C10.o2.ts	Method	TBLASTX:Soybean
Start	20691	End	23736
GI	none	Score	68
Exons	20691..20723, 20781..20810, 21356..21460, 21363..21467, 21795..21950, 21808..21951, 22021..22188, 22023..22169, 22060..22170, 22487..22624, 22525..22623, 23272..23346, 23278..23346, 23437..23544, 23440..23550, 23644..23736, 23645..23734		

Seq. No.	1438	Seq. ID	OJ990713_11.9B12.C10
Gene No.	2964	Strand	
Start	20691	End	23736
Name	OJ990713_11.9B12.C10.o4.tm	Method	TBLASTX:Maize
Start	22493	End	23725
GI	none	Score	189
Exons	22493..22624, 22494..22625, 22495..22626, 22516..22623, 23255..23335, 23256..23339, 23257..23346, 23436..23540, 23437..23544, 23440..23547, 23442..23546, 23644..23721, 23645..23725		

Seq. No.	1439	Seq. ID	OJ990713_11.9B12.C11
Gene No.	2965	Strand	+
Start	146	End	6665
Name	OJ990713_11.9B12.C11.o1.gs	Method	GENSCAN
Start	146	End	6665
GI	none	Score	.51
Exons	146..1017, 1262..2172, 2389..2586, 2962..3112, 3363..3463, 3519..3553, 3638..4048, 4092..4390, 4467..4725, 4818..5000, 5066..5103, 5194..5325, 5389..5436, 5441..5643, 5795..5921, 6503..6665		

Seq. No.	1439	Seq. ID	OJ990713_11.9B12.C11
Gene No.	2965	Strand	+
Start	146	End	6665
Name	OJ990713_11.9B12.C11.o1.np	Method	AAT/NAP
Start	413	End	5675
GI	5441880	Score	4647
Exons	413..1416, 1861..1892, 2151..2466, 2962..3112, 3218..3553, 4092..4390, 4467..4725, 4970..5043, 5080..5103, 5194..5325, 5441..5675		

GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	1439	Seq. ID	OJ990713_11.9B12.C11
Gene No.	2965	Strand	+
Start	146	End	6665
Name	OJ990713_11.9B12.C11.o1.gp	Method	AAT/GAP
Start	1017	End	1446
GI	5701669	Score	823
Exons	1017..1446		
GI Descrip.	5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	1439	Seq. ID	OJ990713_11.9B12.C11
Gene No.	2965	Strand	+
Start	146	End	6665
Name	OJ990713_11.9B12.C11.o2.gp	Method	AAT/GAP
Start	4218	End	4717
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	4218..4390, 4467..4717		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	1439	Seq. ID	OJ990713_11.9B12.C11
Gene No.	2965	Strand	+
Start	146	End	6665
Name	OJ990713_11.9B12.C11.o3.gp	Method	AAT/GAP
Start	5780	End	6233
GI	LIB3431-045-P1-N1-A10	Score	868
Exons	5780..6233		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	1439	Seq. ID	OJ990713_11.9B12.C11
Gene No.	2966	Strand	-
Start	5698	End	6595
Name	OJ990713_11.9B12.C11.o1.tm	Method	TBLASTX:Maize
Start	974	End	1568
GI	none	Score	93
Exons	974..1102, 982..1080, 1136..1222, 1153..1239, 1271..1372, 1272..1433, 1497..1568		

Seq. No.	1439	Seq. ID	OJ990713_11.9B12.C11
Gene No.	2966	Strand	-
Start	5698	End	6595
Name	OJ990713_11.9B12.C11.o1.tw	Method	TBLASTX:Wheat
Start	1266	End	1646
GI	none	Score	208
Exons	1266..1460, 1275..1472, 1466..1585, 1470..1646, 1470..1616		

Seq. No.	1439	Seq. ID	OJ990713_11.9B12.C11
Gene No.	2966	Strand	-
Start	5698	End	6595
Name	OJ990713_11.9B12.C11.o2.np	Method	AAT/NAP
Start	5698	End	6595
GI	6721543	Score	107
Exons	5698..5814, 6467..6595		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	1439	Seq. ID	OJ990713_11.9B12.C11
Gene No.	2966	Strand	-
Start	5698	End	6595
Name	OJ990713_11.9B12.C11.o4.gp	Method	AAT/GAP
Start	6176	End	6581
GI	7406_1.R1084	Score	656
Exons	6176..6581		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2967	Strand	+
Start	3696	End	3896
Name	OJ990713_11.9B12.C12.o2.gp	Method	AAT/GAP
Start	3696	End	3896
GI	2227_1.R1084	Score	301
Exons	3696..3896		
GI Descrip.	'6006355/dbj AP000559.1 AP000559 2.0e-56 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2968	Strand	+
Start	4096	End	4753
Name	OJ990713_11.9B12.C12.o2.gs	Method	GENSCAN
Start	4096	End	4753
GI	none	Score	.64
Exons	4096..4144, 4515..4753		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2969	Strand	+
Start	7194	End	12342
Name	OJ990713_11.9B12.C12.o1.np	Method	AAT/NAP
Start	7194	End	12342
GI	2829910	Score	1404
Exons	7194..7248, 7324..7418, 8275..8364, 8466..8552, 8648..8775, 9272..11243, 11368..12094, 12190..12342		
GI Descrip.	(AC002291) Unknown protein, contains regulator of chromosome condensation motifs [Arabidopsis thaliana]		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2969	Strand	+
Start	7194	End	12342
Name	OJ990713_11.9B12.C12.o2.np	Method	AAT/NAP
Start	8275	End	12274
GI	6227017	Score	1386
Exons	8275..8364, 8466..8552, 8648..8842, 9270..10902, 10942..11249, 11450..11596, 11736..12094, 12190..12274		
GI Descrip.	(AC009513) Contains PF 00169 Pleckstrin homology domain, 6 PF 00415 Regulator of chromosome condensation (RCC1) domains and a PF 01363 FYVE Zinc finger domain. [Arabidopsis thaliana]		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2970	Strand	+
Start	14755	End	18107
Name	OJ990713_11.9B12.C12.o5.gs	Method	GENSCAN
Start	14755	End	18107
GI	none	Score	.77
Exons	14755..14808, 15063..15223, 15557..15756, 15923..16047, 16115..16258, 16365..16423, 16494..17255, 17377..17522, 17620..18107		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2971	Strand	+
Start	21686	End	26794
Name	OJ990713_11.9B12.C12.o6.np	Method	AAT/NAP
Start	21686	End	26742

GI 4680186 Score 369
 Exons 21686..21834, 25646..25701, 26542..26742
 GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No. 1440 Seq. ID OJ990713_11.9B12.C12
 Gene No. 2971 Strand +
 Start 21686 End 26794
 Name OJ990713_11.9B12.C12.o5.np Method AAT/NAP
 Start 25055 End 26794
 GI 6721512 Score 64
 Exons 25055..25178, 26767..26794
 GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No. 1440 Seq. ID OJ990713_11.9B12.C12
 Gene No. 2972 Strand +
 Start 27626 End 28059
 Name OJ990713_11.9B12.C12.o7.np Method AAT/NAP
 Start 27626 End 28059
 GI 4680185 Score 493
 Exons 27626..28059
 GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No. 1440 Seq. ID OJ990713_11.9B12.C12
 Gene No. 2973 Strand +
 Start 32207 End 32291
 Name OJ990713_11.9B12.C12.o8.np Method AAT/NAP
 Start 32207 End 32291
 GI 6721547 Score 96
 Exons 32207..32291
 GI Descrip. (AP001073) Similar to Oryza sativa gene for Pib. (AB013448)

Seq. No. 1440 Seq. ID OJ990713_11.9B12.C12
 Gene No. 2974 Strand +
 Start 32207 End 32313
 Name OJ990713_11.9B12.C12.o10.np Method AAT/NAP
 Start 32207 End 32313
 GI 6721547 Score 100
 Exons 32207..32313
 GI Descrip. (AP001073) Similar to Oryza sativa gene for Pib. (AB013448)

Seq. No. 1440 Seq. ID OJ990713_11.9B12.C12
 Gene No. 2975 Strand -
 Start 1803 End 3040
 Name OJ990713_11.9B12.C12.o1.gp Method AAT/GAP
 Start 669 End 797
 GI LIB3474-009-P1-K1-F11 Score 222
 Exons 669..797
 GI Descrip. '4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'

Seq. No. 1440 Seq. ID OJ990713_11.9B12.C12
 Gene No. 2975 Strand -
 Start 1803 End 3040
 Name OJ990713_11.9B12.C12.o1.gs Method GENSCAN
 Start 1803 End 3040
 GI none Score .72
 Exons 1803..1839, 1913..2034, 2102..2286, 2875..3040

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2976	Strand	-
Start	5130	End	8017
Name	OJ990713_11.9B12.C12.o3.gs	Method	GENSCAN
Start	5130	End	8017
GI	none	Score	.51
Exons	5130..5169, 5430..5663, 6502..6760, 8011..8017		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o1.tc	Method	TBLASTX:Cress
Start	9537	End	10670
GI	none	Score	45
Exons	9537..9596, 9591..9893, 9654..9752, 9708..9893, 9960..10076, 9978..10016, 9981..10073, 10005..10172, 10140..10574, 10146..10427, 10280..10573, 10527..10670		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o1.ts	Method	TBLASTX:Soybean
Start	9549	End	10706
GI	none	Score	47
Exons	9549..9596, 9654..9857, 9663..9893, 9705..9881, 9861..9887, 9972..10172, 9981..10073, 10026..10178, 10209..10523, 10212..10706, 10218..10427, 10283..10705, 10523..10660		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o1.tm	Method	TBLASTX:Maize
Start	9600	End	10676
GI	none	Score	565
Exons	9600..10184, 9602..9718, 9923..10177, 9953..10186, 9984..10187, 10209..10334, 10278..10553, 10451..10666, 10466..10648, 10473..10676		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o5.tm	Method	TBLASTX:Maize
Start	10677	End	10877
GI	none	Score	231
Exons	10677..10877, 10679..10753, 10731..10868		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o3.ts	Method	TBLASTX:Soybean
Start	10710	End	10892
GI	none	Score	216
Exons	10710..10892		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-

Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o4.tw		Method TBLASTX:Wheat
Start	16944	End	22573
GI	none	Score	38
Exons	16944..16961, 16979..17065, 22118..22354, 22128..22193, 22133..22348, 22236..22352, 22391..22573, 22392..22565		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o3.np		Method AAT/NAP
Start	18752	End	21871
GI	5902445	Score	3113
Exons	18752..19993, 20033..21871		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o3.tw		Method TBLASTX:Wheat
Start	18761	End	19369
GI	none	Score	64
Exons	18761..18892, 18762..18887, 18917..19369, 19113..19220, 19269..19355		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o6.tm		Method TBLASTX:Maize
Start	18797	End	19045
GI	none	Score	149
Exons	18797..18880, 18881..19045		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o6.gs		Method GENSCAN
Start	19055	End	27959
GI	none	Score	.53
Exons	19055..19313, 19395..20138, 20250..20428, 20588..21001, 21119..21880, 21968..22144, 22187..22436, 22593..23157, 23263..23548, 23595..23894, 23950..24997, 25042..25115, 27452..27662, 27755..27959		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o5.tw		Method TBLASTX:Wheat
Start	19493	End	19876
GI	none	Score	185
Exons	19493..19876, 19494..19868		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o3.tm		Method TBLASTX:Maize
Start	19571	End	19876

GI	none	Score	146
Exons	19571..19876, 19572..19859		
Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o5.ts	Method	TBLASTX:Soybean
Start	20279	End	20662
GI	none	Score	65
Exons	20279..20542, 20301..20399, 20555..20662		
Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o6.tw	Method	TBLASTX:Wheat
Start	20378	End	20785
GI	none	Score	59
Exons	20378..20458, 20378..20551, 20559..20765, 20561..20785		
Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o2.ts	Method	TBLASTX:Soybean
Start	20876	End	21301
GI	none	Score	86
Exons	20876..21301, 21117..21242		
Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o2.tw	Method	TBLASTX:Wheat
Start	20931	End	21355
GI	none	Score	249
Exons	20931..21245, 20933..21355, 20966..21355		
Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o4.tm	Method	TBLASTX:Maize
Start	21029	End	21412
GI	none	Score	113
Exons	21029..21412, 21030..21245		
Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o2.tm	Method	TBLASTX:Maize
Start	21440	End	21796
GI	none	Score	226
Exons	21440..21796, 21441..21734, 21494..21742		
Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o1.tw	Method	TBLASTX:Wheat
Start	21470	End	21926
GI	none	Score	383

Exons 21470..21925, 21471..21926

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o4.ts	Method	TBLASTX:Soybean
Start	21521	End	21886
GI	none	Score	113
Exons	21521..21655, 21662..21886		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o4.np	Method	AAT/NAP
Start	21938	End	23775
GI	5902444	Score	1042
Exons	21938..23775		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o7.tw	Method	TBLASTX:Wheat
Start	23156	End	23545
GI	none	Score	240
Exons	23156..23545		

Seq. No.	1440	Seq. ID	OJ990713_11.9B12.C12
Gene No.	2977	Strand	-
Start	19055	End	27959
Name	OJ990713_11.9B12.C12.o3.gp	Method	AAT/GAP
Start	26294	End	26675
GI	uC-osflcyp033a04b1	Score	663
Exons	26294..26675		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	1441	Seq. ID	OJ990713_11.9B12.C13
Gene No.	2978	Strand	-
Start	1	End	2958
Name	OJ990713_11.9B12.C13.o1.np	Method	AAT/NAP
Start	1	End	2106
GI	3281846	Score	269
Exons	1..134, 1298..1403, 1653..1717, 1820..1931, 2068..2106		
GI Descrip.	(AJ006404) late elongated hypocotyl [Arabidopsis thaliana]		

Seq. No.	1441	Seq. ID	OJ990713_11.9B12.C13
Gene No.	2978	Strand	-
Start	1	End	2958
Name	OJ990713_11.9B12.C13.o1.gs	Method	GENSCAN
Start	25	End	2958
GI	none	Score	.83
Exons	25..641, 980..1423, 1656..1931, 2068..2196, 2445..2564, 2878..2958		

Seq. No.	1441	Seq. ID	OJ990713_11.9B12.C13
Gene No.	2978	Strand	-

Start	1	End	2958
Name	OJ990713_11.9B12.C13.o1.gp	Method	AAT/GAP
Start	2083	End	2555
GI	2428464	Score	594
Exons	2083..2196, 2340..2555		

Seq. No.	1441	Seq. ID	OJ990713_11.9B12.C13
Gene No.	2979	Strand	-
Start	7211	End	10138
Name	OJ990713_11.9B12.C13.o2.tm	Method	TBLASTX:Maize
Start	1025	End	1328
GI	none	Score	83
Exons	1025..1093, 1026..1121, 1035..1148, 1051..1149, 1175..1219, 1179..1220, 1241..1324, 1242..1328		

Seq. No.	1441	Seq. ID	OJ990713_11.9B12.C13
Gene No.	2979	Strand	-
Start	7211	End	10138
Name	OJ990713_11.9B12.C13.o1.ts	Method	TBLASTX:Soybean
Start	1647	End	1934
GI	none	Score	69
Exons	1647..1718, 1654..1722, 1821..1934, 1825..1926		

Seq. No.	1441	Seq. ID	OJ990713_11.9B12.C13
Gene No.	2979	Strand	-
Start	7211	End	10138
Name	OJ990713_11.9B12.C13.o1.tm	Method	TBLASTX:Maize
Start	1651	End	1947
GI	none	Score	68
Exons	1651..1722, 1653..1718, 1821..1934, 1825..1947		

Seq. No.	1441	Seq. ID	OJ990713_11.9B12.C13
Gene No.	2979	Strand	-
Start	7211	End	10138
Name	OJ990713_11.9B12.C13.o1.tc	Method	TBLASTX:Cress
Start	1653	End	1947
GI	none	Score	67
Exons	1653..1718, 1663..1722, 1821..1934, 1825..1947		

Seq. No.	1441	Seq. ID	OJ990713_11.9B12.C13
Gene No.	2979	Strand	-
Start	7211	End	10138
Name	OJ990713_11.9B12.C13.o3.gs	Method	GENSCAN
Start	7211	End	10138
GI	none	Score	.74
Exons	7211..7327, 9365..9651, 9656..9726, 9903..9950, 10039..10138		

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2980	Strand	+
Start	150	End	6895
Name	OJ990713_11.9B12.C14.o1.gs	Method	GENSCAN
Start	150	End	3169
GI	none	Score	.64
Exons	150..206, 457..631, 668..1693, 1824..3169		

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2980	Strand	+

Start	150	End	6895
Name	OJ990713_11.9B12.C14.o1.np	Method	AAT/NAP
Start	1247	End	6895
GI	6498441	Score	6978
Exons	1247..2312, 2643..3106, 3170..3543, 3727..3861, 4036..4462, 4655..4951, 5123..6520, 6614..6895		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2981	Strand	-
Start	7526	End	9936
Name	OJ990713_11.9B12.C14.o6.tw	Method	TBLASTX:Wheat
Start	1236	End	1788
GI	none	Score	34
Exons	1236..1271, 1396..1443, 1450..1548, 1455..1556, 1515..1754, 1531..1788		

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2981	Strand	-
Start	7526	End	9936
Name	OJ990713_11.9B12.C14.o4.tm	Method	TBLASTX:Maize
Start	1401	End	1686
GI	none	Score	192
Exons	1401..1685, 1438..1686		

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2981	Strand	-
Start	7526	End	9936
Name	OJ990713_11.9B12.C14.o3.tw	Method	TBLASTX:Wheat
Start	2527	End	3013
GI	none	Score	408
Exons	2527..2664, 2528..3013, 2722..2982		

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2981	Strand	-
Start	7526	End	9936
Name	OJ990713_11.9B12.C14.o1.tw	Method	TBLASTX:Wheat
Start	3177	End	3640
GI	none	Score	215
Exons	3177..3620, 3178..3633, 3179..3640, 3179..3634		

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2981	Strand	-
Start	7526	End	9936
Name	OJ990713_11.9B12.C14.o3.ts	Method	TBLASTX:Soybean
Start	3218	End	3583
GI	none	Score	115
Exons	3218..3442, 3449..3583		

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2981	Strand	-
Start	7526	End	9936
Name	OJ990713_11.9B12.C14.o1.tm	Method	TBLASTX:Maize
Start	3308	End	3664
GI	none	Score	392

Exons 3308..3664, 3343..3654, 3359..3664

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2981	Strand	-
Start	7526	End	9936
Name	OJ990713_11.9B12.C14.o2.tm	Method	TBLASTX:Maize
Start	3691	End	4075
GI	none	Score	364
Exons	3691..4056, 3692..4075		

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2981	Strand	-
Start	7526	End	9936
Name	OJ990713_11.9B12.C14.o2.tw	Method	TBLASTX:Wheat
Start	3748	End	4164
GI	none	Score	484
Exons	3748..4164, 3749..4162		

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2981	Strand	-
Start	7526	End	9936
Name	OJ990713_11.9B12.C14.o1.ts	Method	TBLASTX:Soybean
Start	3827	End	4198
GI	none	Score	267
Exons	3827..4198		

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2981	Strand	-
Start	7526	End	9936
Name	OJ990713_11.9B12.C14.o5.tw	Method	TBLASTX:Wheat
Start	4799	End	5257
GI	none	Score	237
Exons	4799..5053, 4823..5074, 4888..5073, 5108..5257, 5119..5256		

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2981	Strand	-
Start	7526	End	9936
Name	OJ990713_11.9B12.C14.o2.ts	Method	TBLASTX:Soybean
Start	4946	End	5512
GI	5666795	Score	68
Exons	4946..5044, 5120..5257, 5312..5512		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2981	Strand	-
Start	7526	End	9936
Name	OJ990713_11.9B12.C14.o8.tw	Method	TBLASTX:Wheat
Start	5260	End	5572
GI	none	Score	193
Exons	5260..5436, 5312..5572		

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2981	Strand	-
Start	7526	End	9936
Name	OJ990713_11.9B12.C14.o3.tm	Method	TBLASTX:Maize
Start	5765	End	6127
GI	none	Score	361

Exons 5765..6088, 5794..6075, 5885..6097, 6080..6127

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2981	Strand	-
Start	7526	End	9936
Name	OJ990713_11.9B12.C14.o4.tw	Method	TBLASTX:Wheat
Start	5902	End	6283
GI	none	Score	372
Exons	5902..5958, 5903..6283, 5906..6244, 6004..6252		

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2981	Strand	-
Start	7526	End	9936
Name	OJ990713_11.9B12.C14.o7.tw	Method	TBLASTX:Wheat
Start	6284	End	6886
GI	none	Score	265
Exons	6284..6574, 6286..6594, 6289..6567, 6760..6882, 6761..6886		

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2981	Strand	-
Start	7526	End	9936
Name	OJ990713_11.9B12.C14.o5.tm	Method	TBLASTX:Maize
Start	6755	End	6901
GI	none	Score	186
Exons	6755..6901, 6760..6894		

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2981	Strand	-
Start	7526	End	9936
Name	OJ990713_11.9B12.C14.o3.gs	Method	GENSCAN
Start	7526	End	9921
GI	none	Score	.66
Exons	7526..8620, 8677..9014, 9228..9460, 9555..9664, 9871..9921		

Seq. No.	1442	Seq. ID	OJ990713_11.9B12.C14
Gene No.	2981	Strand	-
Start	7526	End	9936
Name	OJ990713_11.9B12.C14.o2.np	Method	AAT/NAP
Start	7529	End	9936
GI	6907089	Score	3503
Exons	7529..9460, 9555..9936		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2982	Strand	+
Start	1	End	2389
Name	OJ990713_11.9B12.C15.o2.np	Method	AAT/NAP
Start	1	End	2332
GI	5042454	Score	265
Exons	1..37, 774..936, 1154..1272, 1847..2030, 2279..2332		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2982	Strand	+
Start	1	End	2389
Name	OJ990713_11.9B12.C15.o1.gs	Method	GENSCAN
Start	253	End	2389

GI	none	Score	.74
Exons	253..261, 282..630, 800..944, 1769..1841, 1941..2030, 2279..2389		

Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2983	Strand	-
Start	1	End	899
Name	OJ990713_11.9B12.C15.o1.np	Method	AAT/NAP
Start	1	End	899
GI	6907089	Score	1487
Exons	1..899		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o2.gs	Method	GENSCAN
Start	2610	End	10085
GI	none	Score	.7
Exons	2610..4004, 4047..4623, 5667..5775, 5924..6531, 6709..6756, 6845..6982, 7139..7226, 7493..7643, 7773..7822, 8156..8276, 9014..9101, 10024..10085		

Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o3.np	Method	AAT/NAP
Start	2613	End	6515
GI	6539553	Score	6639
Exons	2613..6515		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o2.tw	Method	TBLASTX:Wheat
Start	2749	End	3225
GI	none	Score	356
Exons	2749..3135, 2750..3133, 2787..3134, 3150..3224, 3152..3223, 3154..3225		

Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o4.ts	Method	TBLASTX:Soybean
Start	2877	End	3218
GI	none	Score	79
Exons	2877..3086, 2956..3081, 3105..3218, 3112..3192		

Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o4.tm	Method	TBLASTX:Maize
Start	3081	End	3420
GI	none	Score	206

Exons 3081..3419, 3082..3420

Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o2.ts	Method	TBLASTX:Soybean
Start	3231	End	3576
GI	none	Score	124
Exons	3231..3575, 3376..3576		

Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o3.tw	Method	TBLASTX:Wheat
Start	3429	End	3974
GI	none	Score	48
Exons	3429..3635, 3439..3561, 3630..3974, 3654..3827		

Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o3.tm	Method	TBLASTX:Maize
Start	3510	End	3975
GI	none	Score	57
Exons	3510..3974, 3613..3723, 3657..3839, 3793..3975		

Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o1.ts	Method	TBLASTX:Soybean
Start	3645	End	4109
GI	5509260	Score	58
Exons	3645..4109, 3664..3723, 3796..3891		
GI Descrip.	-		

Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o1.tc	Method	TBLASTX:Cress
Start	3756	End	4016
GI	none	Score	286
Exons	3756..4016		

Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o1.tw	Method	TBLASTX:Wheat
Start	4029	End	4784
GI	none	Score	192
Exons	4029..4268, 4039..4188, 4046..4276, 4049..4246, 4297..4776, 4320..4784		

Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o2.tc	Method	TBLASTX:Cress
Start	4410	End	4817

GI	none	Score	116
Exons	4410..4604, 4617..4817		
Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o3.ts	Method	TBLASTX:Soybean
Start	4434	End	4832
GI	none	Score	38
Exons	4434..4607, 4561..4599, 4608..4832, 4654..4815		
Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o5.tm	Method	TBLASTX:Maize
Start	4620	End	5053
GI	none	Score	78
Exons	4620..4832, 4645..4812, 4826..5053		
Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o5.tw	Method	TBLASTX:Wheat
Start	4785	End	4976
GI	none	Score	58
Exons	4785..4835, 4786..4836, 4838..4975, 4838..4975, 4839..4976		
Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o5.ts	Method	TBLASTX:Soybean
Start	4841	End	5227
GI	none	Score	88
Exons	4841..5089, 5072..5227		
Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o1.tm	Method	TBLASTX:Maize
Start	5254	End	5576
GI	none	Score	383
Exons	5254..5421, 5255..5569, 5256..5549, 5256..5576		
Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o2.tm	Method	TBLASTX:Maize
Start	6073	End	6386
GI	none	Score	297
Exons	6073..6378, 6075..6386		
Seq. No.	1443	Seq. ID	OJ990713_11.9B12.C15
Gene No.	2984	Strand	-
Start	2610	End	10085
Name	OJ990713_11.9B12.C15.o4.tw	Method	TBLASTX:Wheat
Start	6134	End	6521
GI	none	Score	258

Exons 6134..6397, 6135..6521, 6136..6510

Seq. No. 1444 Seq. ID OJ990713_11.9B12.C16
Gene No. 2985 Strand +
Start 1 End 2438
Name OJ990713_11.9B12.C16.o1.np Method AAT/NAP
Start 1 End 2438
GI 6815062 Score 455
Exons 1..560, 591..1022, 1059..1383, 2314..2438
GI Descrip. (AP001080) Similar to Arabidopsis thaliana chromosome II BAC
F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza
sativa]

Seq. No. 1444 Seq. ID OJ990713_11.9B12.C16
Gene No. 2985 Strand +
Start 1 End 2438
Name OJ990713_11.9B12.C16.o2.np Method AAT/NAP
Start 1 End 1330
GI 5690095 Score 503
Exons 1..1026, 1064..1330
GI Descrip. (AJ238507) transposase related protein [Zea mays]

Seq. No. 1444 Seq. ID OJ990713_11.9B12.C16
Gene No. 2985 Strand +
Start 1 End 2438
Name OJ990713_11.9B12.C16.o1.gs Method GENSCAN
Start 83 End 2093
GI none Score .83
Exons 83..1064, 1128..1388, 2025..2093

Seq. No. 1444 Seq. ID OJ990713_11.9B12.C16
Gene No. 2985 Strand +
Start 1 End 2438
Name OJ990713_11.9B12.C16.o1.tm Method TBLASTX:Maize
Start 89 End 487
GI none Score 259
Exons 89..385, 94..369, 257..385, 443..487

Seq. No. 1445 Seq. ID OJ990903_14.9B08.C2
Gene No. 2986 Strand +
Start 1 End 174
Name OJ990903_14.9B08.C2.o1.np Method AAT/NAP
Start 1 End 174
GI 5002344 Score 121
Exons 1..174
GI Descrip. (AF149278) peroxidase 3 precursor [Phaseolus vulgaris]

Seq. No. 1445 Seq. ID OJ990903_14.9B08.C2
Gene No. 2987 Strand -
Start 23 End 139
Name OJ990903_14.9B08.C2.o1.gs Method GENSCAN
Start 23 End 139
GI none Score .75
Exons 23..139

Seq. No. 1446 Seq. ID OJ990903_14.9B08.C3
Gene No. 2988 Strand +

Start	462	End	750
Name	OJ990903_14.9B08.C3.o1.gp	Method	AAT/GAP
Start	462	End	750
GI	5816559	Score	461
Exons	462..750		
GI Descrip.	4680178/gb AF111709.1 AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	1447	Seq. ID	OJ990903_14.9B08.C4
Gene No.	2989	Strand	+
Start	2528	End	11612
Name	OJ990903_14.9B08.C4.o1.gs	Method	GENSCAN
Start	2528	End	11612
GI	none	Score	.76
Exons	2528..2659, 3957..4040, 7827..8172, 9228..9346, 9691..10353, 10940..11126, 11509..11612		

Seq. No.	1447	Seq. ID	OJ990903_14.9B08.C4
Gene No.	2990	Strand	+
Start	13713	End	15651
Name	OJ990903_14.9B08.C4.o2.gp	Method	AAT/GAP
Start	13671	End	13950
GI	none	Score	533
Exons	13671..13950		

Seq. No.	1447	Seq. ID	OJ990903_14.9B08.C4
Gene No.	2990	Strand	+
Start	13713	End	15651
Name	OJ990903_14.9B08.C4.o1.np	Method	AAT/NAP
Start	13707	End	15334
GI	3550485	Score	948
Exons	13707..14155, 14254..14355, 14484..14789, 15143..15334		
GI Descrip.	(AJ224325) cp33Hv [Hordeum vulgare]		

Seq. No.	1447	Seq. ID	OJ990903_14.9B08.C4
Gene No.	2990	Strand	+
Start	13713	End	15651
Name	OJ990903_14.9B08.C4.o3.gs	Method	GENSCAN
Start	13713	End	15337
GI	none	Score	.81
Exons	13713..14002, 14058..14355, 14484..14789, 15143..15337		

Seq. No.	1447	Seq. ID	OJ990903_14.9B08.C4
Gene No.	2990	Strand	+
Start	13713	End	15651
Name	OJ990903_14.9B08.C4.o3.gp	Method	AAT/GAP
Start	14702	End	15651
GI	4338_1.R1084	Score	1054
Exons	14702..14789, 15143..15651		
GI Descrip.	'4959460/gb AF126053.1 AF126053 7.0e-10 Zea mays RACB small GTP binding protein mRNA, complete cds'		

Seq. No.	1447	Seq. ID	OJ990903_14.9B08.C4
Gene No.	2991	Strand	-
Start	12592	End	13552
Name	OJ990903_14.9B08.C4.o1.gp	Method	AAT/GAP

Start 12592
 GI 2442412
 Exons 12592..13031

End 13031
 Score 727

Seq. No. 1447
 Gene No. 2991
 Start 12592
 Name OJ990903_14.9B08.C4.o2.gs
 Start 12744
 GI none
 Exons 12744..13521, 13536..13552

Seq. ID OJ990903_14.9B08.C4
 Strand -
 End 13552
 Method GENSCAN
 End 13552
 Score .84

Seq. No. 1447
 Gene No. 2992
 Start 15769
 Name OJ990903_14.9B08.C4.o2.ts
 Start 12960
 GI none
 Exons 12960..13070, 12964..13032, 13074..13151, 13114..13152

Seq. ID OJ990903_14.9B08.C4
 Strand -
 End 16248
 Method TBLASTX:Soybean
 End 13152
 Score 54

Seq. No. 1447
 Gene No. 2992
 Start 15769
 Name OJ990903_14.9B08.C4.o1.tc
 Start 14056
 GI none
 Exons 14056..14151, 14057..14158, 14244..14348, 14248..14355, 14487..14579, 14489..14548, 14586..14789, 14598..14738, 14606..14737

Seq. ID OJ990903_14.9B08.C4
 Strand -
 End 16248
 Method TBLASTX:Cress
 End 14789
 Score 120

Seq. No. 1447
 Gene No. 2992
 Start 15769
 Name OJ990903_14.9B08.C4.o1.ts
 Start 14057
 GI none
 Exons 14057..14194, 14239..14352, 14248..14355, 14487..14549, 14489..14548, 14549..14791, 14586..14789, 14598..14738

Seq. ID OJ990903_14.9B08.C4
 Strand -
 End 16248
 Method TBLASTX:Soybean
 End 14791
 Score 97

Seq. No. 1447
 Gene No. 2992
 Start 15769
 Name OJ990903_14.9B08.C4.o1.tm
 Start 14253
 GI none
 Exons 14253..14360, 14254..14397, 14472..14516, 14473..14499, 14483..14542, 14484..14576, 14562..14741, 14564..14791, 14577..14789, 14590..14790, 15139..15201, 15141..15200, 15143..15205, 15204..15254, 15222..15338, 15274..15342, 15277..15333

Seq. ID OJ990903_14.9B08.C4
 Strand -
 End 16248
 Method TBLASTX:Maize
 End 15342
 Score 123

Seq. No. 1447
 Gene No. 2992
 Start 15769
 Name OJ990903_14.9B08.C4.o4.gs
 Start 15769
 GI none

Seq. ID OJ990903_14.9B08.C4
 Strand -
 End 16248
 Method GENSCAN
 End 16248
 Score .84

Exons	15769..15836, 15942..15994, 16165..16248		
Seq. No.	1447	Seq. ID	OJ990903_14.9B08.C4
Gene No.	2992	Strand	-
Start	15769	End	16248
Name	OJ990903_14.9B08.C4.o2.np	Method	AAT/NAP
Start	16127	End	16248
GI	4886288	Score	72
Exons	16127..16248		
GI Descrip.	(AL050300) putative protein [Arabidopsis thaliana]		
Seq. No.	1448	Seq. ID	OJ990903_14.9B08.C5
Gene No.	2993	Strand	+
Start	3985	End	5706
Name	OJ990903_14.9B08.C5.o2.gs	Method	GENSCAN
Start	3985	End	5701
GI	none	Score	.92
Exons	3985..4047, 4238..4395, 5050..5113, 5306..5701		
Seq. No.	1448	Seq. ID	OJ990903_14.9B08.C5
Gene No.	2993	Strand	+
Start	3985	End	5706
Name	OJ990903_14.9B08.C5.o2.gp	Method	AAT/GAP
Start	5202	End	5706
GI	none	Score	917
Exons	5202..5706		
Seq. No.	1448	Seq. ID	OJ990903_14.9B08.C5
Gene No.	2994	Strand	-
Start	1	End	3413
Name	OJ990903_14.9B08.C5.o1.np	Method	AAT/NAP
Start	1	End	3022
GI	4886288	Score	454
Exons	1..167, 379..489, 564..634, 1337..1417, 1521..1564, 1674..1731, 2925..3022		
GI Descrip.	(AL050300) putative protein [Arabidopsis thaliana]		
Seq. No.	1448	Seq. ID	OJ990903_14.9B08.C5
Gene No.	2994	Strand	-
Start	1	End	3413
Name	OJ990903_14.9B08.C5.o1.gs	Method	GENSCAN
Start	379	End	3413
GI	none	Score	.55
Exons	379..489, 564..634, 1337..1417, 1615..1942, 2074..2382, 3086..3203, 3404..3413		
Seq. No.	1448	Seq. ID	OJ990903_14.9B08.C5
Gene No.	2995	Strand	-
Start	5539	End	9904
Name	OJ990903_14.9B08.C5.o2.ts	Method	TBLASTX:Soybean
Start	374	End	8784
GI	none	Score	89
Exons	374..484, 378..488, 387..491, 388..489, 559..648, 560..637, 560..652, 1334..1420, 1334..1405, 1524..1544, 7722..7832, 7726..7836, 7726..7839, 7727..7837, 7906..7995, 7907..7984, 7907..7999, 8574..8645, 8576..8659, 8581..8658, 8764..8784		

Seq. No.	1448	Seq. ID	OJ990903_14.9B08.C5
Gene No.	2995	Strand	-
Start	5539	End	9904
Name	OJ990903_14.9B08.C5.o1.tm	Method	TBLASTX:Maize
Start	1334	End	9482
GI	none	Score	91
Exons	1334..1405, 1336..1425, 1505..1564, 1510..1569, 1510..1566, 1521..1592, 1660..1731, 1660..1731, 1852..1956, 1853..1957, 2070..2096, 2229..2252, 8574..8645, 8576..8659, 8578..8664, 8745..8804, 8750..8809, 8750..8806, 8761..8832, 8900..8971, 8900..8989, 9053..9181, 9077..9181, 9141..9182, 9144..9182, 9300..9320, 9450..9482		

Seq. No.	1448	Seq. ID	OJ990903_14.9B08.C5
Gene No.	2995	Strand	-
Start	5539	End	9904
Name	OJ990903_14.9B08.C5.o3.ts	Method	TBLASTX:Soybean
Start	1660	End	9329
GI	none	Score	102
Exons	1660..1731, 1852..1956, 1853..1957, 2070..2114, 8900..8989, 9077..9181, 9144..9182, 9300..9329		

Seq. No.	1448	Seq. ID	OJ990903_14.9B08.C5
Gene No.	2995	Strand	-
Start	5539	End	9904
Name	OJ990903_14.9B08.C5.o2.np	Method	AAT/NAP
Start	5539	End	9076
GI	4886288	Score	737
Exons	5539..5579, 6931..7150, 7412..7494, 7727..7837, 7911..7981, 8577..8657, 8761..8804, 8914..9076		
GI Descrip.	(AL050300) putative protein [Arabidopsis thaliana]		

Seq. No.	1448	Seq. ID	OJ990903_14.9B08.C5
Gene No.	2995	Strand	-
Start	5539	End	9904
Name	OJ990903_14.9B08.C5.o1.ts	Method	TBLASTX:Soybean
Start	6930	End	7149
GI	none	Score	135
Exons	6930..7145, 6933..7148, 6934..7149		

Seq. No.	1448	Seq. ID	OJ990903_14.9B08.C5
Gene No.	2995	Strand	-
Start	5539	End	9904
Name	OJ990903_14.9B08.C5.o3.gs	Method	GENSCAN
Start	7603	End	9904
GI	none	Score	.49
Exons	7603..7624, 7727..7837, 7911..7981, 8411..8521, 8577..8657, 8855..9148, 9299..9552, 9748..9904		

Seq. No.	1448	Seq. ID	OJ990903_14.9B08.C5
Gene No.	2995	Strand	-
Start	5539	End	9904
Name	OJ990903_14.9B08.C5.o3.gp	Method	AAT/GAP
Start	8750	End	9545
GI	LIB3433-017-Q6-K1-D1	Score	721
Exons	8750..8804, 8914..9180, 9299..9319, 9451..9545		
GI Descrip.	'4886288/emb CAB43446.1 2.0e-09 (AL050300) putative protein		

[*Arabidopsis thaliana*]

Seq. No.	1449	Seq. ID	OJ990903_14.9B08.C6
Gene No.	2996	Strand	+
Start	1	End	1006
Name	OJ990903_14.9B08.C6.o1.np	Method	AAT/NAP
Start	1	End	1006
GI	1935918	Score	83
Exons	1..29, 197..322, 910..1006		
GI Descrip.	(U93559) putative serine/threonine protein kinase [Brassica rapa]		

Seq. No.	1449	Seq. ID	OJ990903_14.9B08.C6
Gene No.	2997	Strand	-
Start	3338	End	5341
Name	OJ990903_14.9B08.C6.o2.np	Method	AAT/NAP
Start	3338	End	5341
GI	2829914	Score	110
Exons	3338..3363, 5092..5341		
GI Descrip.	(AC002291) putative peroxidase [<i>Arabidopsis thaliana</i>]		

Seq. No.	1449	Seq. ID	OJ990903_14.9B08.C6
Gene No.	2998	Strand	-
Start	5627	End	6028
Name	OJ990903_14.9B08.C6.o1.tm	Method	TBLASTX:Maize
Start	5088	End	5244
GI	none	Score	132
Exons	5088..5228, 5089..5244		

Seq. No.	1449	Seq. ID	OJ990903_14.9B08.C6
Gene No.	2998	Strand	-
Start	5627	End	6028
Name	OJ990903_14.9B08.C6.o3.gs	Method	GENSCAN
Start	5627	End	6028
GI	none	Score	.65
Exons	5627..6028		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	2999	Strand	+
Start	4293	End	4466
Name	OJ990903_14.9B08.C7.o2.gs	Method	GENSCAN
Start	4293	End	4466
GI	none	Score	.91
Exons	4293..4466		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3000	Strand	+
Start	4533	End	4840
Name	OJ990903_14.9B08.C7.o1.gp	Method	AAT/GAP
Start	4533	End	4840
GI	5816559	Score	482
Exons	4533..4840		
GI Descrip.	4680178/gb AF111709.1 AF111709 1.0e-108 <i>Oryza sativa</i> subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
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Gene No. 3001 Strand +
 Start 5906 End 8847
 Name OJ990903_14.9B08.C7.o1.np Method AAT/NAP
 Start 5906 End 8844
 GI 6691716 Score 2312
 Exons 5906..6790, 6988..7163, 7246..7513, 7690..7884, 7960..8063,
 8214..8326, 8399..8844
 GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
 gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein
 [Oryza sativa]

Seq. No. 1450 Seq. ID OJ990903_14.9B08.C7
 Gene No. 3001 Strand +
 Start 5906 End 8847
 Name OJ990903_14.9B08.C7.o3.gs Method GENSCAN
 Start 5906 End 8847
 GI none Score .92
 Exons 5906..6790, 6988..7163, 7246..7577, 7697..7884, 7960..8149,
 8222..8326, 8399..8847

Seq. No. 1450 Seq. ID OJ990903_14.9B08.C7
 Gene No. 3002 Strand +
 Start 15388 End 15695
 Name OJ990903_14.9B08.C7.o2.gp Method AAT/GAP
 Start 15388 End 15695
 GI 5816559 Score 482
 Exons 15388..15695
 GI Descrip. 4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp.
 indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2
 retrotransposon, complete sequences; and unknown genes

Seq. No. 1450 Seq. ID OJ990903_14.9B08.C7
 Gene No. 3003 Strand +
 Start 17367 End 18338
 Name OJ990903_14.9B08.C7.o5.gs Method GENSCAN
 Start 17367 End 18338
 GI none Score .96
 Exons 17367..17375, 17517..18338

Seq. No. 1450 Seq. ID OJ990903_14.9B08.C7
 Gene No. 3004 Strand +
 Start 23203 End 28218
 Name OJ990903_14.9B08.C7.o3.np Method AAT/NAP
 Start 23203 End 28218
 GI 5231113 Score 1652
 Exons 23203..23342, 23464..23577, 23676..23879, 24748..24930,
 25049..27706, 27849..28218
 GI Descrip. (AF141202) EIN2 [Arabidopsis thaliana]
 gi|5231115|gb|AAD41077.1|AF141203_1 (AF141203) EIN2 [Arabidopsis
 thaliana]

Seq. No. 1450 Seq. ID OJ990903_14.9B08.C7
 Gene No. 3004 Strand +
 Start 23203 End 28218
 Name OJ990903_14.9B08.C7.o3.gp Method AAT/GAP
 Start 25045 End 25661
 GI 25846_2.R1084 Score 1221

Exons 25045..25661
 GI Descrip. '4521194/dbj|AB013613.1|AB013613 3.0e-60 Oryza sativa DNA, centromere sequence RCB11'

Seq. No. 1450 Seq. ID OJ990903_14.9B08.C7
 Gene No. 3004 Strand +
 Start 23203 End 28218
 Name OJ990903_14.9B08.C7.o5.gp Method AAT/GAP
 Start 27274 End 28151
 GI 18665_1.R1084 Score 1430
 Exons 27274..27706, 27849..28151
 GI Descrip. '5231113/gb|AAD41076.1|AF141202 1 2.0e-68 (AF141202) EIN2 [Arabidopsis thaliana] >gi_5231115_gb_AAD41077.1_AF141203_1 (AF141203) EIN2 [Arabidopsis thaliana]'

Seq. No. 1450 Seq. ID OJ990903_14.9B08.C7
 Gene No. 3005 Strand +
 Start 30250 End 31594
 Name OJ990903_14.9B08.C7.o5.np Method AAT/NAP
 Start 30250 End 31594
 GI 6630699 Score 70
 Exons 30250..30270, 31490..31594
 GI Descrip. (AP000969) hypothetical protein [Oryza sativa]
 gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No. 1450 Seq. ID OJ990903_14.9B08.C7
 Gene No. 3006 Strand +
 Start 34041 End 35385
 Name OJ990903_14.9B08.C7.o7.np Method AAT/NAP
 Start 34041 End 35385
 GI 6630699 Score 74
 Exons 34041..34063, 35308..35385
 GI Descrip. (AP000969) hypothetical protein [Oryza sativa]
 gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No. 1450 Seq. ID OJ990903_14.9B08.C7
 Gene No. 3007 Strand +
 Start 39947 End 40063
 Name OJ990903_14.9B08.C7.o10.np Method AAT/NAP
 Start 39947 End 40063
 GI 5777617 Score 73
 Exons 39947..40063
 GI Descrip. (AJ245900) CAA30375.1 protein [Oryza sativa]

Seq. No. 1450 Seq. ID OJ990903_14.9B08.C7
 Gene No. 3008 Strand -
 Start 9164 End 15804
 Name OJ990903_14.9B08.C7.o4.gs Method GENSCAN
 Start 9164 End 15804
 GI none Score .68
 Exons 9164..12325, 12461..15263, 15701..15804

Seq. No. 1450 Seq. ID OJ990903_14.9B08.C7
 Gene No. 3008 Strand -
 Start 9164 End 15804

Name OJ990903_14.9B08.C7.o2.np Method AAT/NAP
 Start 9200 End 15259
 GI 5922631 Score 6672
 Exons 9200..11727, 12334..13257, 13384..13532, 13575..14146,
 14192..14361, 14605..14876, 15135..15259
 GI Descrip. (AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a
 region of the predicted gene.; similar to prpol; Zea mays
 retrotransposon Cinfu1-1. (AF049110) [Oryza sativa]
 gi|6016864|dbj|BAA85207.1| (AP000570) ESTs
 C26347(C12145),AU078074(C12145) correspond to a region of the
 predicted gene.; Similar to prpol; Zea mays retrotransposon
 Cinfu1-1. (AF049110) [Oryza sativ

Seq. No. 1450 Seq. ID OJ990903_14.9B08.C7
 Gene No. 3009 Strand -
 Start 26173 End 26426
 Name OJ990903_14.9B08.C7.o4.gp Method AAT/GAP
 Start 26173 End 26426
 GI 6025049 Score 397
 Exons 26173..26426

Seq. No. 1450 Seq. ID OJ990903_14.9B08.C7
 Gene No. 3010 Strand -
 Start 28282 End 28601
 Name OJ990903_14.9B08.C7.o6.gp Method AAT/GAP
 Start 28282 End 28601
 GI uC-osflcyp079h08a1 Score 543
 Exons 28282..28601
 GI Descrip. '4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp.
 indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2
 retrotransposon, complete sequences; and unknown genes'

Seq. No. 1450 Seq. ID OJ990903_14.9B08.C7
 Gene No. 3011 Strand -
 Start 31730 End 35247
 Name OJ990903_14.9B08.C7.o7.gs Method GENSCAN
 Start 31730 End 32026
 GI none Score 1
 Exons 31730..32026

Seq. No. 1450 Seq. ID OJ990903_14.9B08.C7
 Gene No. 3011 Strand -
 Start 31730 End 35247
 Name OJ990903_14.9B08.C7.o6.np Method AAT/NAP
 Start 31733 End 35247
 GI 5922620 Score 976
 Exons 31733..31863, 33276..33360, 33397..33573, 33834..33996,
 34315..34348, 34986..35010, 35056..35169, 35209..35247
 GI Descrip. (AP000492) EST D15357(C0514) corresponds to a region of the
 predicted gene.; hypothetical protein [Oryza sativa]
 gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514)
 corresponds to a region of the predicted gene.; hypothetical
 protein [Oryza sativa]

Seq. No. 1450 Seq. ID OJ990903_14.9B08.C7
 Gene No. 3012 Strand -
 Start 35524 End 35657

Name	OJ990903_14.9B08.C7.o8.np	Method	AAT/NAP
Start	35524	End	35657
GI	5922620	Score	171
Exons	35524..35657		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o10.tw	Method	TBLASTX:Wheat
Start	4368	End	21412
GI	none	Score	57
Exons	4368..4442, 17499..17561, 17529..17618, 17586..17708, 17594..17701, 17703..17954, 20678..20827, 21005..21052, 21061..21411, 21062..21238, 21314..21412		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o1.tm	Method	TBLASTX:Maize
Start	4377	End	31161
GI	none	Score	100
Exons	4377..4463, 17499..17813, 17516..17767, 17793..17996, 17819..17995, 17999..18088, 18000..18095, 18102..18326, 18158..18346, 20687..20827, 21005..21073, 21010..21096, 21074..21190, 21106..21180, 21145..21246, 21313..21405, 21314..21409, 21626..21754, 30962..31141, 30967..31161		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o9.tw	Method	TBLASTX:Wheat
Start	6026	End	6316
GI	none	Score	216
Exons	6026..6316		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o6.tw	Method	TBLASTX:Wheat
Start	9176	End	9790
GI	none	Score	62
Exons	9176..9313, 9180..9302, 9299..9457, 9512..9790, 9528..9629, 9681..9770		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o9.tm	Method	TBLASTX:Maize
Start	9215	End	9448
GI	none	Score	102
Exons	9215..9316, 9216..9317, 9296..9448, 9297..9347		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o14.tm	Method	TBLASTX:Maize
Start ...	9560	End	9833
GI	none	Score	57
Exons	9560..9646, 9656..9739, 9657..9743, 9734..9832, 9735..9833		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o3.tw	Method	TBLASTX:Wheat
Start	9905	End	10292
GI	none	Score	109
Exons	9905..10090, 9905..10291, 9981..10292		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o3.tm	Method	TBLASTX:Maize
Start	9935	End	10298
GI	none	Score	67
Exons	9935..9982, 9936..9983, 9974..10297, 9987..10298		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o11.tw	Method	TBLASTX:Wheat
Start	10295	End	10594
GI	none	Score	135
Exons	10295..10435, 10460..10594		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o4.tw	Method	TBLASTX:Wheat
Start	10610	End	11032
GI	none	Score	267
Exons	10610..11032, 10620..11024		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o4.ts	Method	TBLASTX:Soybean
Start	10653	End	11041
GI	none	Score	162
Exons	10653..11033, 10655..10897, 10937..11041		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o13.tm	Method	TBLASTX:Maize
Start	10706	End	10979
GI	none	Score	60
Exons	10706..10804, 10707..10772, 10808..10978, 10809..10979		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
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Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o5.tw	Method	TBLASTX:Wheat
Start	11069	End	11498
GI	none	Score	39
Exons	11069..11497, 11146..11250, 11226..11498		
Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o5.tm	Method	TBLASTX:Maize
Start	11156	End	11600
GI	none	Score	87
Exons	11156..11182, 11192..11323, 11193..11324, 11345..11575, 11345..11599, 11346..11600		
Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o2.ts	Method	TBLASTX:Soybean
Start	11267	End	11668
GI	none	Score	58
Exons	11267..11668, 11301..11471, 11508..11651		
Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o2.tw	Method	TBLASTX:Wheat
Start	11543	End	11962
GI	none	Score	235
Exons	11543..11962, 11544..11960		
Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o6.tm	Method	TBLASTX:Maize
Start	11831	End	12187
GI	none	Score	85
Exons	11831..12124, 11831..12187, 11841..12146		
Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o5.ts	Method	TBLASTX:Soybean
Start	11912	End	12277
GI	none	Score	138
Exons	11912..12046, 12053..12277		
Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o8.tw	Method	TBLASTX:Wheat
Start	11962	End	12196
GI	none	Score	119
Exons	11962..12126, 11963..12175, 11963..12196, 11964..12176		
Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7

Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o1.tw	Method	TBLASTX:Wheat
Start	12197	End	12994
GI	none	Score	119
Exons	12197..12490, 12201..12425, 12530..12763, 12537..12773, 12539..12769, 12818..12931, 12818..12994		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o7.tw	Method	TBLASTX:Wheat
Start	13568	End	13970
GI	none	Score	117
Exons	13568..13969, 13701..13970		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o1.tc	Method	TBLASTX:Cress
Start	17499	End	21854
GI	none	Score	185
Exons	17499..17699, 17516..17701, 17703..17930, 20636..20827, 21005..21079, 21074..21238, 21085..21405, 21314..21412, 21500..21754, 21762..21854		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o1.ts	Method	TBLASTX:Soybean
Start	17499	End	21772
GI	none	Score	48
Exons	17499..17549, 17567..17701, 17568..17696, 17703..17930, 17714..17767, 20663..20827, 20722..20829, 21005..21043, 21074..21238, 21085..21405, 21314..21412, 21467..21772, 21574..21759		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o4.tm	Method	TBLASTX:Maize
Start	24757	End	25185
GI	none	Score	252
Exons	24757..24933, 24759..24926, 24781..24930, 25046..25183, 25048..25185		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o10.tm	Method	TBLASTX:Maize
Start	25402	End	25678
GI	none	Score	82
Exons	25402..25455, 25403..25456, 25403..25489, 25406..25609, 25456..25611, 25462..25611, 25616..25678, 25621..25674		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-

Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o7.tm	Method	TBLASTX:Maize
Start	25882	End	26335
GI	none	Score	167
Exons	25882..25929, 25883..26071, 25884..26090, 25886..26074, 25911..26090, 26005..26256, 26101..26259, 26108..26260, 26246..26320, 26247..26327, 26249..26335		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o11.tm	Method	TBLASTX:Maize
Start	26335	End	26592
GI	none	Score	221
Exons	26335..26583, 26336..26536, 26336..26590, 26347..26592		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o3.ts	Method	TBLASTX:Soybean
Start	26645	End	28157
GI	none	Score	84
Exons	26645..26713, 26855..26974, 26892..27008, 27043..27171, 27044..27235, 27148..27234, 27202..27249, 27334..27420, 27335..27475, 27398..27451, 27557..27706, 27559..27684, 27837..27908, 27837..27914, 27974..28135, 27983..28156, 27984..28157		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o2.tm	Method	TBLASTX:Maize
Start	26716	End	27235
GI	none	Score	255
Exons	26716..27030, 26716..27030, 26717..27031, 26986..27234, 27032..27235, 27032..27235		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o12.tm	Method	TBLASTX:Maize
Start	27236	End	27403
GI	none	Score	218
Exons	27236..27403, 27238..27402		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o8.tm	Method	TBLASTX:Maize
Start	27532	End	27998
GI	none	Score	297
Exons	27532..27684, 27533..27706, 27539..27706, 27610..27714, 27618..27710, 27837..27998, 27846..27947		

Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191

Name	OJ990903_14.9B08.C7.o2.tc	Method	TBLASTX:Cress
Start	27984	End	28157
GI	none	Score	225
Exons	27984..28157, 27986..28156		
Seq. No.	1450	Seq. ID	OJ990903_14.9B08.C7
Gene No.	3013	Strand	-
Start	38766	End	39191
Name	OJ990903_14.9B08.C7.o9.np	Method	AAT/NAP
Start	38766	End	39191
GI	6069646	Score	334
Exons	38766..39191		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	1451	Seq. ID	OJ990903_14.9B08.C9
Gene No.	3014	Strand	+
Start	1	End	227
Name	OJ990903_14.9B08.C9.o1.np	Method	AAT/NAP
Start	1	End	227
GI	295355	Score	185
Exons	1..227		
GI Descrip.	(L13653) peroxidase [Lycopersicon esculentum]		
Seq. No.	1451	Seq. ID	OJ990903_14.9B08.C9
Gene No.	3014	Strand	+
Start	1	End	227
Name	OJ990903_14.9B08.C9.o1.tm	Method	TBLASTX:Maize
Start	22	End	227
GI	none	Score	178
Exons	22..180, 33..227		
Seq. No.	1451	Seq. ID	OJ990903_14.9B08.C9
Gene No.	3014	Strand	+
Start	1	End	227
Name	OJ990903_14.9B08.C9.o1.tw	Method	TBLASTX:Wheat
Start	22	End	227
GI	none	Score	165
Exons	22..180, 24..227		
Seq. No.	1451	Seq. ID	OJ990903_14.9B08.C9
Gene No.	3014	Strand	+
Start	1	End	227
Name	OJ990903_14.9B08.C9.o1.ts	Method	TBLASTX:Soybean
Start	22	End	197
GI	none	Score	178
Exons	22..180, 24..197		
Seq. No.	1451	Seq. ID	OJ990903_14.9B08.C9
Gene No.	3014	Strand	+
Start	1	End	227
Name	OJ990903_14.9B08.C9.o1.gs	Method	GENSCAN
Start	49	End	183
GI	none	Score	.54

Exons 49..183

Seq. No.	1452	Seq. ID	OJ990823_15.9B09.C5
Gene No.	3015	Strand	-
Start	1213	End	1788
Name	OJ990823_15.9B09.C5.o1.gs	Method	GENSCAN
Start	1213	End	1788
GI	none	Score	.64
Exons	1213..1232, 1770..1788		

Seq. No.	1452	Seq. ID	OJ990823_15.9B09.C5
Gene No.	3016	Strand	
Start	2776	End	3087
Name	OJ990823_15.9B09.C5.o1.tm	Method	TBLASTX:Maize
Start	2776	End	3087
GI	none	Score	43
Exons	2776..2823, 2822..3040, 3043..3087		

Seq. No.	1453	Seq. ID	OJ990823_15.9B09.C8
Gene No.	3017	Strand	+
Start	1	End	962
Name	OJ990823_15.9B09.C8.o1.gp	Method	AAT/GAP
Start	1	End	483
GI	10972_1.R1084	Score	886
Exons	1..483		
GI Descrip.	'4249382/gb AAD14479 4.0e-18 (AC005966) Strong similarity to gi_3337350 F13P17.3 putative permease from Arabidopsis thaliana BAC gb_AC004481. [Arabidopsis thaliana]'		

Seq. No.	1453	Seq. ID	OJ990823_15.9B09.C8
Gene No.	3017	Strand	+
Start	1	End	962
Name	OJ990823_15.9B09.C8.o1.np	Method	AAT/NAP
Start	1	End	962
GI	5852093	Score	87
Exons	1..20, 856..962		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	1453	Seq. ID	OJ990823_15.9B09.C8
Gene No.	3017	Strand	+
Start	1	End	962
Name	OJ990823_15.9B09.C8.o1.gs	Method	GENSCAN
Start	137	End	558
GI	none	Score	.68
Exons	137..294, 400..490, 538..558		

Seq. No.	1453	Seq. ID	OJ990823_15.9B09.C8
Gene No.	3018	Strand	-
Start	1940	End	2617
Name	OJ990823_15.9B09.C8.o2.gs	Method	GENSCAN
Start	1940	End	2617
GI	none	Score	.43
Exons	1940..2054, 2109..2290, 2612..2617		

Seq. No.	1454	Seq. ID	OJ990823_15.9B09.C10
Gene No.	3019	Strand	+
Start	6083	End	8085

Name	OJ990823_15.9B09.C10.o1.np	Method	AAT/NAP
Start	6083	End	8085
GI	2565009	Score	227
Exons	6083..6104, 7463..7845, 7929..8085		
GI Descrip.	(AC002983) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	1454	Seq. ID	OJ990823_15.9B09.C10
Gene No.	3020	Strand	-
Start	115	End	5571
Name	OJ990823_15.9B09.C10.o1.gs	Method	GENSCAN
Start	115	End	5571
GI	none	Score	.48
Exons	115..171, 352..482, 561..704, 2223..2303, 3309..3394, 4832..4952, 5058..5169, 5247..5356, 5435..5571		

Seq. No.	1454	Seq. ID	OJ990823_15.9B09.C10
Gene No.	3020	Strand	-
Start	115	End	5571
Name	OJ990823_15.9B09.C10.o1.gp	Method	AAT/GAP
Start	2307	End	2568
GI	57406_1.R1084	Score	359
Exons	2307..2568		
GI Descrip.	'4680203/gb AAD27566.1 AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	1454	Seq. ID	OJ990823_15.9B09.C10
Gene No.	3020	Strand	-
Start	115	End	5571
Name	OJ990823_15.9B09.C10.o2.gp	Method	AAT/GAP
Start	4632	End	5504
GI	57406_1.R1084	Score	451
Exons	4632..4672, 5058..5169, 5247..5356, 5434..5504		
GI Descrip.	'4680203/gb AAD27566.1 AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	1455	Seq. ID	OJ990823_15.9B09.C11
Gene No.	3021	Strand	+
Start	183	End	401
Name	OJ990823_15.9B09.C11.o1.gs	Method	GENSCAN
Start	183	End	401
GI	none	Score	.66
Exons	183..401		

Seq. No.	1455	Seq. ID	OJ990823_15.9B09.C11
Gene No.	3022	Strand	+
Start	3531	End	8758
Name	OJ990823_15.9B09.C11.o2.gs	Method	GENSCAN
Start	3531	End	8473
GI	none	Score	.62
Exons	3531..3576, 3854..3976, 4278..4483, 4834..4870, 6541..6734, 6773..6983, 7715..7808, 8281..8473		

Seq. No.	1455	Seq. ID	OJ990823_15.9B09.C11
Gene No.	3022	Strand	+
Start	3531	End	8758
Name	OJ990823_15.9B09.C11.o1.gp	Method	AAT/GAP
Start	3749	End	4428

GI	5607577	Score	1213
Exons	3749..4428		
Seq. No.	1455	Seq. ID	OJ990823_15.9B09.C11
Gene No.	3022	Strand	+
Start	3531	End	8758
Name	OJ990823_15.9B09.C11.o2.np	Method	AAT/NAP
Start	4104	End	7489
GI	3377817	Score	184
Exons	4104..4128, 4963..5346, 5424..5604, 7421..7489		
GI Descrip.	(AF076275) contains similarity to C3HC4-type zinc fingers (Pfam: zf-C3HC4.hmm, score: 29.48) [Arabidopsis thaliana]		

Seq. No.	1455	Seq. ID	OJ990823_15.9B09.C11
Gene No.	3022	Strand	+
Start	3531	End	8758
Name	OJ990823_15.9B09.C11.o1.np	Method	AAT/NAP
Start	4959	End	6980
GI	2565009	Score	185
Exons	4959..5346, 5424..5568, 6963..6980		
GI Descrip.	(AC002983) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	1455	Seq. ID	OJ990823_15.9B09.C11
Gene No.	3022	Strand	+
Start	3531	End	8758
Name	OJ990823_15.9B09.C11.o3.np	Method	AAT/NAP
Start	8345	End	8758
GI	585963	Score	120
Exons	8345..8437, 8645..8758		
GI Descrip.	PROTEIN TRANSPORT PROTEIN SEC61 GAMMA SUBUNIT		

Seq. No.	1455	Seq. ID	OJ990823_15.9B09.C11
Gene No.	3023	Strand	+
Start	10318	End	10648
Name	OJ990823_15.9B09.C11.o3.gs	Method	GENSCAN
Start	10318	End	10648
GI	none	Score	.67
Exons	10318..10422, 10574..10648		

Seq. No.	1455	Seq. ID	OJ990823_15.9B09.C11
Gene No.	3024	Strand	+
Start	11500	End	12078
Name	OJ990823_15.9B09.C11.o4.gs	Method	GENSCAN
Start	11500	End	12078
GI	none	Score	.91
Exons	11500..12078		

Seq. No.	1455	Seq. ID	OJ990823_15.9B09.C11
Gene No.	3025	Strand	-
Start	8172	End	9798
Name	OJ990823_15.9B09.C11.o4.np	Method	AAT/NAP
Start	8172	End	9798
GI	6539588	Score	133
Exons	8172..8206, 9231..9327, 9492..9798		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	1455	Seq. ID	OJ990823_15.9B09.C11
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Gene No.	3026	Strand	-
Start	14828	End	15643
Name	OJ990823_15.9B09.C11.o5.gs	Method	GENSCAN
Start	14828	End	15643
GI	none	Score	.66
Exons	14828..14927, 15517..15643		
Seq. No.	1456	Seq. ID	OJ990823_15.9B09.C12
Gene No.	3027	Strand	-
Start	1703	End	2720
Name	OJ990823_15.9B09.C12.o1.gs	Method	GENSCAN
Start	1703	End	2720
GI	none	Score	.81
Exons	1703..1905, 2500..2638, 2706..2720		
Seq. No.	1457	Seq. ID	OJ990823_15.9B09.C13
Gene No.	3028	Strand	+
Start	121	End	1967
Name	OJ990823_15.9B09.C13.o1.np	Method	AAT/NAP
Start	121	End	1967
GI	5852093	Score	86
Exons	121..228, 1937..1967		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	1457	Seq. ID	OJ990823_15.9B09.C13
Gene No.	3028	Strand	+
Start	121	End	1967
Name	OJ990823_15.9B09.C13.o1.gs	Method	GENSCAN
Start	355	End	790
GI	none	Score	.96
Exons	355..432, 696..790		
Seq. No.	1457	Seq. ID	OJ990823_15.9B09.C13
Gene No.	3029	Strand	+
Start	2181	End	3610
Name	OJ990823_15.9B09.C13.o2.gs	Method	GENSCAN
Start	2181	End	3097
GI	none	Score	.94
Exons	2181..2216, 2285..2716, 2822..3097		
Seq. No.	1457	Seq. ID	OJ990823_15.9B09.C13
Gene No.	3029	Strand	+
Start	2181	End	3610
Name	OJ990823_15.9B09.C13.o2.np	Method	AAT/NAP
Start	2543	End	3610
GI	4432814	Score	169
Exons	2543..2716, 2822..3043, 3584..3610		
GI Descrip.	(AC006593) unknown protein [Arabidopsis thaliana]		
Seq. No.	1457	Seq. ID	OJ990823_15.9B09.C13
Gene No.	3030	Strand	-
Start	1263	End	1498
Name	OJ990823_15.9B09.C13.o1.gp	Method	AAT/GAP
Start	1263	End	1498
GI	5455584	Score	330
Exons	1263..1498		
GI Descrip.	5670155/gb AF161269.1 AF161269 1.0e-76 Oryza sativa subsp.		

japonica BAC clone 34K24, complete sequence

Seq. No.	1458	Seq. ID	OJ990823_15.9B09.C14
Gene No.	3031	Strand	+
Start	1554	End	2962
Name	OJ990823_15.9B09.C14.o1.gs	Method	GENSCAN
Start	1554	End	2962
GI	none	Score	.82
Exons	1554..1752, 2856..2962		
Seq. No.	1459	Seq. ID	OJ990823_15.9B09.C15
Gene No.	3032	Strand	+
Start	212	End	484
Name	OJ990823_15.9B09.C15.o1.gs	Method	GENSCAN
Start	212	End	484
GI	none	Score	.82
Exons	212..484		
Seq. No.	1459	Seq. ID	OJ990823_15.9B09.C15
Gene No.	3033	Strand	+
Start	455	End	747
Name	OJ990823_15.9B09.C15.o1.gp	Method	AAT/GAP
Start	455	End	747
GI	454488	Score	171
Exons	455..482, 641..747		
GI Descrip.	4249382/gb AAD14479 4.0e-18 (AC005966) Strong similarity to gi_3337350 F13P17.3 putative permease from Arabidopsis thaliana BAC gb_AC004481. [Arabidopsis thaliana]		
Seq. No.	1459	Seq. ID	OJ990823_15.9B09.C15
Gene No.	3034	Strand	-
Start	1475	End	4366
Name	OJ990823_15.9B09.C15.o1.tm	Method	TBLASTX:Maize
Start	1	End	498
GI	none	Score	91
Exons	1..126, 2..136, 4..126, 6..128, 212..493, 218..475, 219..479, 220..498, 220..480		
Seq. No.	1459	Seq. ID	OJ990823_15.9B09.C15
Gene No.	3034	Strand	-
Start	1475	End	4366
Name	OJ990823_15.9B09.C15.o1.ts	Method	TBLASTX:Soybean
Start	275	End	472
GI	none	Score	212
Exons	275..472, 277..471		
Seq. No.	1459	Seq. ID	OJ990823_15.9B09.C15
Gene No.	3034	Strand	-
Start	1475	End	4366
Name	OJ990823_15.9B09.C15.o2.gs	Method	GENSCAN
Start	1475	End	4175
GI	none	Score	.49
Exons	1475..1650, 2379..2389, 4000..4175		
Seq. No.	1459	Seq. ID	OJ990823_15.9B09.C15
Gene No.	3034	Strand	-
Start	1475	End	4366

Name	OJ990823_15.9B09.C15.o1.np	Method	AAT/NAP
Start	4042	End	4366
GI	322755	Score	69
Exons	4042..4192, 4246..4366		
GI Descrip.	pistil extensin-like protein (clone pMG04) - common tobacco (fragment) gi 19919 emb CAA78398 (Z14020) Pistil extensin like protein, partial CDS only [Nicotiana tabacum]		

Seq. No.	1460	Seq. ID	OJ990823_15.9B09.C16
Gene No.	3035	Strand	+
Start	2244	End	4405
Name	OJ990823_15.9B09.C16.o1.np	Method	AAT/NAP
Start	2244	End	4405
GI	6815062	Score	2326
Exons	2244..2478, 2573..3131, 3175..3520, 3602..3700, 3778..4117, 4362..4405		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	1460	Seq. ID	OJ990823_15.9B09.C16
Gene No.	3035	Strand	+
Start	2244	End	4405
Name	OJ990823_15.9B09.C16.o1.gs	Method	GENSCAN
Start	2310	End	4117
GI	none	Score	.75
Exons	2310..2478, 2573..2857, 3041..3131, 3175..3520, 3602..3700, 3778..4117		

Seq. No.	1460	Seq. ID	OJ990823_15.9B09.C16
Gene No.	3035	Strand	+
Start	2244	End	4405
Name	OJ990823_15.9B09.C16.o1.tm	Method	TBLASTX:Maize
Start	2412	End	2892
GI	none	Score	70
Exons	2412..2501, 2565..2639, 2566..2634, 2604..2663, 2662..2892, 2664..2879		

Seq. No.	1460	Seq. ID	OJ990823_15.9B09.C16
Gene No.	3035	Strand	+
Start	2244	End	4405
Name	OJ990823_15.9B09.C16.o2.tm	Method	TBLASTX:Maize
Start	2932	End	3861
GI	none	Score	146
Exons	2932..3099, 2932..3099, 3106..3132, 3224..3520, 3763..3861		

Seq. No.	1461	Seq. ID	OJ990823_15.9B09.C17
Gene No.	3036	Strand	+
Start	1462	End	6435
Name	OJ990823_15.9B09.C17.o1.gs	Method	GENSCAN
Start	1462	End	6435
GI	none	Score	.41
Exons	1462..1627, 2044..2148, 3434..3609, 6074..6120, 6335..6435		

Seq. No.	1461	Seq. ID	OJ990823_15.9B09.C17
Gene No.	3036	Strand	+
Start	1462	End	6435

Name	OJ990823_15.9B09.C17.o1.np	Method	AAT/NAP
Start	1519	End	4945
GI	3451068	Score	507
Exons	1519..1627, 3434..3679, 3750..3786, 4210..4289, 4584..4737, 4867..4945		

GI Descrip. (AL031326) putative protein [Arabidopsis thaliana]

Seq. No.	1461	Seq. ID	OJ990823_15.9B09.C17
Gene No.	3036	Strand	+
Start	1462	End	6435
Name	OJ990823_15.9B09.C17.o1.tc	Method	TBLASTX:Cress
Start	1548	End	4624
GI	none	Score	79
Exons	1548..1628, 1570..1629, 3432..3665, 3433..3666, 3523..3669, 4211..4291, 4577..4624		

Seq. No.	1462	Seq. ID	OJ990823_15.9B09.C18
Gene No.	3037	Strand	+
Start	167	End	1382
Name	OJ990823_15.9B09.C18.o1.gs	Method	GENSCAN
Start	167	End	1382
GI	none	Score	.73
Exons	167..256, 650..777, 1244..1382		

Seq. No.	1462	Seq. ID	OJ990823_15.9B09.C18
Gene No.	3037	Strand	+
Start	167	End	1382
Name	OJ990823_15.9B09.C18.o1.np	Method	AAT/NAP
Start	643	End	814
GI	629592	Score	132
Exons	643..814		
GI Descrip.	hypothetical protein - rape gi 6065752 emb CAB58175.1 (X74225) putative pod-specific dehydrogenase SAC25 [Brassica napus]		

Seq. No.	1462	Seq. ID	OJ990823_15.9B09.C18
Gene No.	3038	Strand	+
Start	2306	End	4635
Name	OJ990823_15.9B09.C18.o2.np	Method	AAT/NAP
Start	2306	End	4635
GI	3451068	Score	507
Exons	2306..2414, 2877..3143, 3503..3598, 3842..3995, 4126..4204, 4616..4635		
GI Descrip.	(AL031326) putative protein [Arabidopsis thaliana]		

Seq. No.	1462	Seq. ID	OJ990823_15.9B09.C18
Gene No.	3039	Strand	-
Start	2251	End	4194
Name	OJ990823_15.9B09.C18.o1.tm	Method	TBLASTX:Maize
Start	646	End	820
GI	none	Score	192
Exons	646..786, 647..820, 665..802		

Seq. No.	1462	Seq. ID	OJ990823_15.9B09.C18
Gene No.	3039	Strand	-
Start	2251	End	4194
Name	OJ990823_15.9B09.C18.o2.ts	Method	TBLASTX:Soybean
Start	646	End	796

GI none
Exons 646..789, 647..796

Score 194

Seq. No. 1462
Gene No. 3039
Start 2251
Name OJ990823_15.9B09.C18.o2.gs
Start 2251
GI none
Exons 2251..2660, 2747..2906

Seq. ID OJ990823_15.9B09.C18
Strand -
End 4194
Method GENSCAN
End 2906
Score .92

Seq. No. 1462
Gene No. 3039
Start 2251
Name OJ990823_15.9B09.C18.o2.tm
Start 2299
GI none
Exons 2299..2415, 2858..3109, 2875..3105, 3520..3615, 3835..3999, 3840..3998, 4126..4194, 4127..4159

Seq. ID OJ990823_15.9B09.C18
Strand -
End 4194
Method TBLASTX:Maize
End 4194
Score 185

Seq. No. 1462
Gene No. 3039
Start 2251
Name OJ990823_15.9B09.C18.o1.tc
Start 2335
GI none
Exons 2335..2415, 2357..2416, 2858..3109, 2875..3105, 3484..3600, 3835..3882

Seq. ID OJ990823_15.9B09.C18
Strand -
End 4194
Method TBLASTX:Cress
End 3882
Score 74

Seq. No. 1462
Gene No. 3039
Start 2251
Name OJ990823_15.9B09.C18.o1.ts
Start 2335
GI none
Exons 2335..2415, 2357..2416, 2846..2950, 2858..3109, 2875..3123

Seq. ID OJ990823_15.9B09.C18
Strand -
End 4194
Method TBLASTX:Soybean
End 3123
Score 69

Seq. No. 1463
Gene No. 3040
Start 1
Name OJ990823_15.9B09.C19.o1.np
Start 1
GI 629592
Exons 1..111, 763..927

Seq. ID OJ990823_15.9B09.C19
Strand +
End 927
Method AAT/NAP
End 927
Score 148

GI Descrip. hypothetical protein - rape gi|6065752|emb|CAB58175.1| (X74225)
putative pod-specific dehydrogenase SAC25 [Brassica napus]

Seq. No. 1463
Gene No. 3040
Start 1
Name OJ990823_15.9B09.C19.o1.gs
Start 65
GI none
Exons 65..111, 763..921

Seq. ID OJ990823_15.9B09.C19
Strand +
End 927
Method GENSCAN
End 921
Score .74

Seq. No. 1463
Gene No. 3041

Seq. ID OJ990823_15.9B09.C19
Strand -

Start 3910
 Name OJ990823_15.9B09.C19.o1.tm
 Start 759
 GI none
 Exons 759..899, 760..939, 778..921

End 4008
 Method TBLASTX:Maize
 End 939
 Score 194

Seq. No. 1463
 Gene No. 3041
 Start 3910
 Name OJ990823_15.9B09.C19.o1.ts
 Start 759
 GI none
 Exons 759..914, 760..912

Seq. ID OJ990823_15.9B09.C19
 Strand -
 End 4008
 Method TBLASTX:Soybean
 End 914
 Score 199

Seq. No. 1463
 Gene No. 3041
 Start 3910
 Name OJ990823_15.9B09.C19.o2.gs
 Start 3910
 GI none
 Exons 3910..4008

Seq. ID OJ990823_15.9B09.C19
 Strand -
 End 4008
 Method GENSCAN
 End 4008
 Score .98

Seq. No. 1464
 Gene No. 3042
 Start 67
 Name OJ990823_15.9B09.C20.o1.gs
 Start 67
 GI none
 Exons 67..146, 315..345

Seq. ID OJ990823_15.9B09.C20
 Strand +
 End 345
 Method GENSCAN
 End 345
 Score .63

Seq. No. 1465
 Gene No. 3043
 Start 4265
 Name OJ990823_15.9B09.C21.o2.np
 Start 4265
 GI 6069646
 Exons 4265..4418, 6929..6968

Seq. ID OJ990823_15.9B09.C21
 Strand +
 End 6968
 Method AAT/NAP
 End 6968
 Score 79

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa].

Seq. No. 1465
 Gene No. 3044
 Start 1
 Name OJ990823_15.9B09.C21.o1.np
 Start 1
 GI 2443320
 Exons 1..716

Seq. ID OJ990823_15.9B09.C21
 Strand -
 End 3329
 Method AAT/NAP
 End 716
 Score 737

GI Descrip. (D85597) polyprotein [Oryza australiensis]

Seq. No. 1465
 Gene No. 3044
 Start 1
 Name OJ990823_15.9B09.C21.o1.gs
 Start 384

Seq. ID OJ990823_15.9B09.C21
 Strand -
 End 3329
 Method GENSCAN
 End 3329

GI	none	Score	.65
Exons	384..716, 1016..1064, 1728..1900, 3267..3329		
Seq. No.	1466	Seq. ID	OJ990823_15.9B09.C22
Gene No.	3045	Strand	+
Start	1	End	238
Name	OJ990823_15.9B09.C22.o1.np	Method	AAT/NAP
Start	1	End	238
GI	6815062	Score	290
Exons	1..238		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	1466	Seq. ID	OJ990823_15.9B09.C22
Gene No.	3046	Strand	-
Start	86	End	480
Name	OJ990823_15.9B09.C22.o1.gs	Method	GENSCAN
Start	86	End	480
GI	none	Score	.84
Exons	86..190, 216..480		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3047	Strand	+
Start	1	End	10523
Name	OJ990823_15.9B09.C24.o1.np	Method	AAT/NAP
Start	1	End	1210
GI	2443320	Score	1805
Exons	1..1210		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3047	Strand	+
Start	1	End	10523
Name	OJ990823_15.9B09.C24.o1.gs	Method	GENSCAN
Start	25	End	7003
GI	none	Score	.62
Exons	25..640, 945..1078, 2369..2541, 2973..3081, 3700..3799, 4208..4379, 5014..5126, 6120..6160, 6219..6326, 6374..7003		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3047	Strand	+
Start	1	End	10523
Name	OJ990823_15.9B09.C24.o2.np	Method	AAT/NAP
Start	4893	End	10523
GI	5295971	Score	3078
Exons	4893..4918, 6252..10523		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3047	Strand	+
Start	1	End	10523
Name	OJ990823_15.9B09.C24.o2.gs	Method	GENSCAN
Start	7418	End	10511
GI	none	Score	.57

Exons	7418..8596, 8746..8890, 9555..9978, 10229..10511		
Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3048	Strand	-
Start	10934	End	12971
Name	OJ990823_15.9B09.C24.o3.np	Method	AAT/NAP
Start	10934	End	12971
GI	6539588	Score	108
Exons	10934..10955, 12483..12540, 12683..12971		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o1.tw	Method	TBLASTX:Wheat
Start	6	End	9811
GI	none	Score	204
Exons	6..158, 7..162, 7..162, 32..223, 132..266, 148..612, 148..483, 297..611, 9144..9332, 9145..9336, 9359..9490, 9482..9685, 9710..9811		
Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o3.ts	Method	TBLASTX:Soybean
Start	7	End	9478
GI	5509260	Score	108
Exons	7..123, 12..131, 8975..9085, 9105..9254, 9130..9330, 9358..9456, 9359..9478		
GI Descrip.	-		
Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o5.tm	Method	TBLASTX:Maize
Start	229	End	9784
GI	none	Score	86
Exons	229..372, 9527..9784, 9550..9627, 9676..9783		
Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o2.ts	Method	TBLASTX:Soybean
Start	583	End	10487
GI	none	Score	54
Exons	583..639, 641..943, 971..1075, 9857..9985, 10035..10487, 10040..10285, 10310..10438, 10320..10487		
Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o2.tm	Method	TBLASTX:Maize
Start	647	End	10241
GI	none	Score	52
Exons	647..727, 722..937, 9784..9990, 9794..9991, 9794..9985, 10020..10223, 10023..10241, 10127..10240		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o2.tw	Method	TBLASTX:Wheat
Start	683	End	10460
GI	none	Score	546
Exons	683..1171, 684..803, 688..1170, 10017..10244, 10145..10231, 10281..10460		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o1.tc	Method	TBLASTX:Cress
Start	815	End	10490
GI	none	Score	91
Exons	815..964, 947..1195, 9826..9969, 9827..9988, 10017..10121, 10049..10120, 10125..10241, 10238..10486, 10239..10490		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o7.tm	Method	TBLASTX:Maize
Start	971	End	10487
GI	none	Score	126
Exons	971..1165, 10242..10487, 10277..10369, 10317..10475		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o7.tw	Method	TBLASTX:Wheat
Start	6515	End	6895
GI	none	Score	193
Exons	6515..6895, 6536..6820		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o6.tm	Method	TBLASTX:Maize
Start	6589	End	6913
GI	none	Score	221
Exons	6589..6708, 6590..6913, 6796..6900		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o4.tm	Method	TBLASTX:Maize
Start	7402	End	7810
GI	none	Score	225
Exons	7402..7602, 7403..7618, 7412..7651, 7661..7810, 7666..7806		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o4.tw	Method	TBLASTX:Wheat
Start	7424	End	7876
GI	none	Score	231
Exons	7424..7789, 7444..7509, 7540..7701, 7790..7876		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o4.ts	Method	TBLASTX:Soybean
Start	7814	End	8143
GI	none	Score	216
Exons	7814..8143, 7910..7990		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o3.tw	Method	TBLASTX:Wheat
Start	7949	End	8509
GI	none	Score	305
Exons	7949..8413, 7951..8319, 8420..8509		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o1.tm	Method	TBLASTX:Maize
Start	8156	End	8581
GI	none	Score	405
Exons	8156..8503, 8170..8526, 8510..8581, 8521..8577		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o2.tc	Method	TBLASTX:Cress
Start	8174	End	8641
GI	none	Score	232
Exons	8174..8641		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o1.ts	Method	TBLASTX:Soybean
Start	8183	End	8677
GI	none	Score	421
Exons	8183..8677, 8188..8478		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o3.tm	Method	TBLASTX:Maize
Start	9001	End	9324
GI	none	Score	131
Exons	9001..9090, 9002..9106, 9112..9309, 9123..9323, 9124..9324		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o4.np	Method	AAT/NAP
Start	14996	End	17687
GI	4680203	Score	1333
Exons	14996..16492, 17660..17687		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o8.tm	Method	TBLASTX:Maize
Start	15133	End	15525
GI	none	Score	89
Exons	15133..15282, 15293..15409, 15406..15525		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o5.tw	Method	TBLASTX:Wheat
Start	15167	End	15527
GI	none	Score	76
Exons	15167..15271, 15172..15273, 15270..15323, 15323..15409, 15324..15410, 15424..15525, 15428..15526, 15435..15527		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o6.tw	Method	TBLASTX:Wheat
Start	15789	End	16180
GI	none	Score	90
Exons	15789..15890, 15805..16017, 15806..15865, 15864..16046, 15871..16038, 16029..16154, 16043..16180		

Seq. No.	1467	Seq. ID	OJ990823_15.9B09.C24
Gene No.	3049	Strand	-
Start	14996	End	17687
Name	OJ990823_15.9B09.C24.o4.gs	Method	GENSCAN
Start	17038	End	17586
GI	none	Score	.59
Exons	17038..17586		

Seq. No.	1468	Seq. ID	OJ990823_15.9B09.C25
Gene No.	3050	Strand	-
Start	1	End	3501
Name	OJ990823_15.9B09.C25.o1.np	Method	AAT/NAP
Start	1	End	3501
GI	5734709	Score	92
Exons	1..21, 358..496, 2845..3279, 3329..3501		
GI Descrip.	(AC008075) Contains PF 00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	1468	Seq. ID	OJ990823_15.9B09.C25
Gene No.	3051	Strand	-
Start	4089	End	4855
Name	OJ990823_15.9B09.C25.o2.gs	Method	GENSCAN
Start	4089	End	4855
GI	none	Score	.79
Exons	4089..4474, 4765..4855		

Seq. No.	1469	Seq. ID	OJ990823_15.9B09.C29
Gene No.	3052	Strand	+
Start	1	End	335
Name	OJ990823_15.9B09.C29.o1.np	Method	AAT/NAP

Start	1	End	335
GI	6815062	Score	356
Exons	1..48, 103..335		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	1470	Seq. ID	OJ990823_12.9B01.C1
Gene No.	3053	Strand	+
Start	288	End	700
Name	OJ990823_12.9B01.C1.ol.gs	Method	GENSCAN
Start	288	End	700
GI	none	Score	.96
Exons	288..498, 519..700		

Seq. No.	1471	Seq. ID	OJ990823_12.9B01.C2
Gene No.	3054	Strand	+
Start	396	End	566
Name	OJ990823_12.9B01.C2.ol.np	Method	AAT/NAP
Start	396	End	566
GI	6063554	Score	83
Exons	396..566		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1472	Seq. ID	OJ990823_12.9B01.C3
Gene No.	3055	Strand	+
Start	217	End	981
Name	OJ990823_12.9B01.C3.ol.np	Method	AAT/NAP
Start	217	End	981
GI	6907086	Score	988
Exons	217..981		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	1473	Seq. ID	OJ990823_12.9B01.C5
Gene No.	3056	Strand	-
Start	496	End	848
Name	OJ990823_12.9B01.C5.ol.gs	Method	GENSCAN
Start	496	End	848
GI	none	Score	.98
Exons	496..656, 794..848		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3057	Strand	+
Start	209	End	310
Name	OJ990823_12.9B01.C6.ol.gs	Method	GENSCAN
Start	209	End	310
GI	none	Score	.92
Exons	209..310		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3058	Strand	+
Start	6631	End	7220
Name	OJ990823_12.9B01.C6.ol.gp	Method	AAT/GAP
Start	6631	End	7220
GI	7905_1.R1084	Score	1143

Exons 6631..7220
 GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3059	Strand	+
Start	18752	End	24988
Name	OJ990823_12.9B01.C6.o2.np	Method	AAT/NAP
Start	18752	End	24988
GI	2911072	Score	693
Exons	18752..18793, 20031..20106, 20261..20456, 20547..20636, 21947..21995, 22237..22364, 22410..22567, 22738..22807, 23256..23346, 23449..23543, 23617..23765, 24153..24264, 24347..24487, 24957..24988		
GI Descrip.	(AL021960) putative protein [Arabidopsis thaliana]		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3059	Strand	+
Start	18752	End	24988
Name	OJ990823_12.9B01.C6.o6.gp	Method	AAT/GAP
Start	19873	End	20381
GI	none	Score	547
Exons	19873..20106, 20261..20381		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3059	Strand	+
Start	18752	End	24988
Name	OJ990823_12.9B01.C6.o5.gs	Method	GENSCAN
Start	19943	End	24586
GI	none	Score	.8
Exons	19943..20106, 20261..20456, 20547..20636, 20754..20810, 20924..20993, 21280..21344, 21941..21995, 22237..22364, 23256..23357, 23454..23543, 23617..23765, 24478..24586		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3059	Strand	+
Start	18752	End	24988
Name	OJ990823_12.9B01.C6.o7.gp	Method	AAT/GAP
Start	20430	End	22779
GI	12241_1.R1084	Score	1039
Exons	20430..20456, 20547..20636, 20754..20810, 20924..20993, 21280..21344, 21941..21995, 22237..22364, 22452..22568, 22738..22779		
GI Descrip.	'2911072/emb CAA17534.1 4.0e-18 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3059	Strand	+
Start	18752	End	24988
Name	OJ990823_12.9B01.C6.o8.gp	Method	AAT/GAP
Start	23716	End	24433
GI	2443_1.R1084	Score	427
Exons	23716..23765, 24153..24264, 24347..24433		
GI Descrip.	'2911072/emb CAA17534.1 1.0e-73 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
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Gene No.	3060	Strand	-
Start	990	End	2952
Name	OJ990823_12.9B01.C6.o2.gs	Method	GENSCAN
Start	990	End	2952
GI	none	Score	.9
Exons	990..1322, 1693..1851, 2021..2139, 2557..2669, 2873..2952		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3061	Strand	-
Start	3563	End	3871
Name	OJ990823_12.9B01.C6.o3.gs	Method	GENSCAN
Start	3563	End	3871
GI	none	Score	1
Exons	3563..3871		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3062	Strand	-
Start	6873	End	18912
Name	OJ990823_12.9B01.C6.o5.tm	Method	TBLASTX:Maize
Start	3746	End	7251
GI	none	Score	104
Exons	3746..3814, 3806..3862, 6814..6969, 6862..6963, 6870..6965, 7020..7085, 7047..7148, 7093..7149, 7093..7251		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3062	Strand	-
Start	6873	End	18912
Name	OJ990823_12.9B01.C6.o4.gs	Method	GENSCAN
Start	6873	End	18912
GI	none	Score	.68
Exons	6873..7133, 7422..7441, 8755..8858, 9005..9159, 9264..9431, 10065..10256, 10354..10533, 10632..10806, 10899..11073, 12648..12878, 14142..14368, 14470..14555, 15074..15192, 15433..15495, 15612..16048, 16147..16327, 17211..17296, 17400..17561, 17741..17807, 17970..18026, 18753..18834, 18898..18912		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3062	Strand	-
Start	6873	End	18912
Name	OJ990823_12.9B01.C6.o2.tm	Method	TBLASTX:Maize
Start	9396	End	10733
GI	none	Score	129
Exons	9396..9434, 10043..10258, 10055..10168, 10065..10256, 10344..10499, 10344..10409, 10351..10533, 10355..10537, 10495..10539, 10629..10718, 10632..10733		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3062	Strand	-
Start	6873	End	18912
Name	OJ990823_12.9B01.C6.o3.ts	Method	TBLASTX:Soybean
Start	10065	End	10718
GI	none	Score	83
Exons	10065..10130, 10194..10256, 10198..10272, 10351..10533, 10355..10522, 10629..10718, 10644..10715		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
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Gene No.	3062	Strand	-
Start	6873	End	18912
Name	OJ990823_12.9B01.C6.o2.tc	Method	TBLASTX:Cress
Start	10203	End	10718
GI	none	Score	65
Exons	10203..10256, 10204..10257, 10351..10533, 10355..10534, 10412..10537, 10611..10718		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3062	Strand	-
Start	6873	End	18912
Name	OJ990823_12.9B01.C6.o2.gp	Method	AAT/GAP
Start	12169	End	13252
GI	20447_2.R1084	Score	1755
Exons	12169..12563, 12648..13252		
GI Descrip.	'5669638/gb AAD46404.1 AF096248_1 1.0e-24 (AF096248) ethylene-responsive RNA helicase [Lycopersicon esculentum]'		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3062	Strand	-
Start	6873	End	18912
Name	OJ990823_12.9B01.C6.o6.tm	Method	TBLASTX:Maize
Start	12377	End	12751
GI	none	Score	56
Exons	12377..12448, 12378..12446, 12394..12447, 12464..12514, 12522..12563, 12523..12564, 12524..12565, 12525..12566, 12646..12750, 12647..12748, 12647..12751, 12664..12750		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3062	Strand	-
Start	6873	End	18912
Name	OJ990823_12.9B01.C6.o1.np	Method	AAT/NAP
Start	12511	End	16202
GI	5669638	Score	1322
Exons	12511..12562, 12644..12878, 14142..14372, 14649..14751, 14847..14998, 15074..15235, 15316..15495, 15612..15874, 16147..16202		
GI Descrip.	(AF096248) ethylene-responsive RNA helicase [Lycopersicon esculentum]		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3062	Strand	-
Start	6873	End	18912
Name	OJ990823_12.9B01.C6.o2.ts	Method	TBLASTX:Soybean
Start	12661	End	14731
GI	none	Score	160
Exons	12661..12879, 14137..14343, 14143..14370, 14144..14371, 14469..14558, 14475..14555, 14650..14730, 14651..14731		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3062	Strand	-
Start	6873	End	18912
Name	OJ990823_12.9B01.C6.o4.tm	Method	TBLASTX:Maize
Start	12753	End	14375
GI	none	Score	105
Exons	12753..12878, 12755..12877, 12757..12879, 12814..12879, 14137..14370, 14143..14370, 14151..14375		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3062	Strand	-
Start	6873	End	18912
Name	OJ990823_12.9B01.C6.o1.tc	Method	TBLASTX:Cress
Start	12814	End	15168
GI	none	Score	167
Exons	12814..12879, 14137..14349, 14143..14370, 14147..14371, 14154..14372, 14457..14558, 14464..14553, 14650..14751, 14651..14752, 14844..14996, 14844..14999, 14851..15000, 15069..15167, 15069..15167, 15073..15168		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3062	Strand	-
Start	6873	End	18912
Name	OJ990823_12.9B01.C6.o3.gp	Method	AAT/GAP
Start	13885	End	14290
GI	4714063	Score	783
Exons	13885..14290		
GI Descrip.	5669638/gb AAD46404.1 AF096248_1 4.0e-19 (AF096248) ethylene-responsive RNA helicase [Lycopersicon esculentum]		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3062	Strand	-
Start	6873	End	18912
Name	OJ990823_12.9B01.C6.o1.tm	Method	TBLASTX:Maize
Start	14475	End	15760
GI	none	Score	50
Exons	14475..14555, 14677..14751, 14678..14752, 14844..15008, 14851..15000, 15069..15230, 15073..15231, 15317..15496, 15320..15469, 15324..15518, 15598..15759, 15602..15760		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3062	Strand	-
Start	6873	End	18912
Name	OJ990823_12.9B01.C6.o1.ts	Method	TBLASTX:Soybean
Start	15111	End	15760
GI	none	Score	96
Exons	15111..15203, 15112..15204, 15198..15230, 15199..15231, 15315..15485, 15317..15445, 15317..15496, 15324..15485, 15598..15759, 15614..15760		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3062	Strand	-
Start	6873	End	18912
Name	OJ990823_12.9B01.C6.o3.tc	Method	TBLASTX:Cress
Start	15171	End	15741
GI	none	Score	40
Exons	15171..15224, 15184..15225, 15335..15487, 15345..15476, 15613..15741		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3062	Strand	-
Start	6873	End	18912
Name	OJ990823_12.9B01.C6.o4.gp	Method	AAT/GAP
Start	15335	End	16001
GI	3762461	Score	989

Exons 15335..15495, 15612..16001
 GI Descrip. 5669638/gb|AAD46404.1|AF096248_1 1.0e-24 (AF096248)
 ethylene-responsive RNA helicase [Lycopersicon esculentum]

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3062	Strand	-
Start	6873	End	18912
Name	OJ990823_12.9B01.C6.o5.gp	Method	AAT/GAP
Start	17121	End	17502
GI	none	Score	395
Exons	17121..17296, 17400..17502		

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3063	Strand	
Start	20319	End	24435
Name	OJ990823_12.9B01.C6.o3.tm	Method	TBLASTX:Maize
Start	20319	End	24435
GI	none	Score	70
Exons	20319..20381, 20330..20368, 20367..20456, 20369..20449,		

20550..20660, 20556..20636, 20748..20810, 20752..20811,
 20753..20809, 20918..20995, 20922..20960, 20923..20997,
 20924..20995, 21274..21342, 21902..21994, 21941..21994,
 22236..22367, 22238..22363, 22419..22592, 22430..22567,
 22449..22577, 22735..22821, 22736..22810, 22913..22954,
 23247..23342, 23253..23345, 23255..23362, 23451..23555,
 23453..23542, 23457..23543, 23614..23766, 23614..23751,
 23616..23768, 23616..23765, 24151..24276, 24152..24277,
 24156..24278, 24156..24281, 24344..24370, 24357..24431,
 24370..24435, 24371..24433

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3063	Strand	
Start	20319	End	24435
Name	OJ990823_12.9B01.C6.o4.ts	Method	TBLASTX:Soybean
Start	20914	End	24433
GI	none	Score	103
Exons	20914..20994, 20924..20995, 21273..21347, 21902..21994,		

22235..22363, 22236..22367, 22419..22568, 22454..22567,
 22465..22578, 22739..22810, 23253..23339, 23451..23552,
 23451..23543, 23599..23757, 23616..23753, 24154..24264,
 24177..24257, 24371..24433

Seq. No.	1474	Seq. ID	OJ990823_12.9B01.C6
Gene No.	3063	Strand	
Start	20319	End	24435
Name	OJ990823_12.9B01.C6.o1.tw	Method	TBLASTX:Wheat
Start	23722	End	24435
GI	none	Score	63
Exons	23722..23766, 23723..23785, 24151..24276, 24156..24278,		

24344..24370, 24365..24424, 24370..24432, 24370..24435,
 24371..24433

Seq. No.	1475	Seq. ID	OJ990823_12.9B01.C7
Gene No.	3064	Strand	+
Start	259	End	2345
Name	OJ990823_12.9B01.C7.o1.gs	Method	GENSCAN
Start	259	End	2345

GI	none	Score	.71
Exons	259..351, 757..837, 906..1130, 1177..1362, 1930..2067, 2226..2345		

Seq. No.	1475	Seq. ID	OJ990823_12.9B01.C7
Gene No.	3064	Strand	+
Start	259	End	2345
Name	OJ990823_12.9B01.C7.o1.gp	Method	AAT/GAP
Start	742	End	1831
GI	2443_1.R1084	Score	1539
Exons	742..837, 906..1130, 1240..1362, 1446..1831		
GI Descrip.	'2911072/emb CAA17534.1 1.0e-73 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	1475	Seq. ID	OJ990823_12.9B01.C7
Gene No.	3064	Strand	+
Start	259	End	2345
Name	OJ990823_12.9B01.C7.o1.np	Method	AAT/NAP
Start	747	End	1385
GI	2911072	Score	431
Exons	747..837, 906..1130, 1240..1385		
GI Descrip.	(AL021960) putative protein [Arabidopsis thaliana]		

Seq. No.	1475	Seq. ID	OJ990823_12.9B01.C7
Gene No.	3065	Strand	-
Start	2027	End	2455
Name	OJ990823_12.9B01.C7.o2.gp	Method	AAT/GAP
Start	2027	End	2455
GI	2800158	Score	715
Exons	2027..2455		

Seq. No.	1475	Seq. ID	OJ990823_12.9B01.C7
Gene No.	3066	Strand	-
Start	2504	End	3834
Name	OJ990823_12.9B01.C7.o1.tw	Method	TBLASTX:Wheat
Start	651	End	1280
GI	none	Score	128
Exons	651..839, 742..837, 761..844, 876..1133, 899..1132, 1224..1280, 1225..1269		

Seq. No.	1475	Seq. ID	OJ990823_12.9B01.C7
Gene No.	3066	Strand	-
Start	2504	End	3834
Name	OJ990823_12.9B01.C7.o1.tm	Method	TBLASTX:Maize
Start	678	End	1731
GI	none	Score	132
Exons	678..839, 742..837, 768..839, 840..1130, 876..1133, 905..1132, 1224..1322, 1224..1361, 1240..1386, 1256..1357, 1433..1558, 1441..1569, 1448..1573, 1663..1731		

Seq. No.	1475	Seq. ID	OJ990823_12.9B01.C7
Gene No.	3066	Strand	-
Start	2504	End	3834
Name	OJ990823_12.9B01.C7.o2.ts	Method	TBLASTX:Soybean
Start	765	End	1362
GI	5509682	Score	112
Exons	765..839, 766..837, 876..950, 905..1129, 905..1132, 993..1133,		

1224..1355, 1225..1362
 GI Descrip. 2911072/emb_CAA17534_3.0e-40 (AL021960) putative protein
 [Arabidopsis thaliana]

Seq. No.	1475	Seq. ID	OJ990823_12.9B01.C7
Gene No.	3066	Strand	-
Start	2504	End	3834
Name	OJ990823_12.9B01.C7.o3.tm	Method	TBLASTX:Maize
Start	2430	End	3144
GI	none	Score	72
Exons	2430..2552, 2442..2489, 2510..2551, 2558..2593, 2698..2763, 2699..2764, 2703..2768, 2705..2767, 2838..2897, 2838..2903, 3003..3143, 3003..3143, 3007..3144		

Seq. No.	1475	Seq. ID	OJ990823_12.9B01.C7
Gene No.	3066	Strand	-
Start	2504	End	3834
Name	OJ990823_12.9B01.C7.o1.tc	Method	TBLASTX:Cress
Start	2492	End	3445
GI	none	Score	59
Exons	2492..2554, 2702..2767, 2706..2768, 2986..3288, 3003..3314, 3360..3437, 3362..3445		

Seq. No.	1475	Seq. ID	OJ990823_12.9B01.C7
Gene No.	3066	Strand	-
Start	2504	End	3834
Name	OJ990823_12.9B01.C7.o2.gs	Method	GENSCAN
Start	2504	End	3284
GI	none	Score	.72
Exons	2504..2587, 2705..2765, 2839..2903, 3003..3284		

Seq. No.	1475	Seq. ID	OJ990823_12.9B01.C7
Gene No.	3066	Strand	-
Start	2504	End	3834
Name	OJ990823_12.9B01.C7.o2.np	Method	AAT/NAP
Start	2507	End	3834
GI	6175158	Score	657
Exons	2507..2587, 2705..2765, 2839..2903, 3003..3284, 3362..3436, 3545..3619, 3767..3834		

GI Descrip. (AC010796) putative ABC transporter [Arabidopsis thaliana]

Seq. No.	1475	Seq. ID	OJ990823_12.9B01.C7
Gene No.	3066	Strand	-
Start	2504	End	3834
Name	OJ990823_12.9B01.C7.o1.ts	Method	TBLASTX:Soybean
Start	3022	End	3433
GI	none	Score	191
Exons	3022..3204, 3024..3272, 3024..3287, 3067..3285, 3362..3433		

Seq. No.	1475	Seq. ID	OJ990823_12.9B01.C7
Gene No.	3066	Strand	-
Start	2504	End	3834
Name	OJ990823_12.9B01.C7.o2.tm	Method	TBLASTX:Maize
Start	3144	End	3628
GI	none	Score	137
Exons	3144..3287, 3144..3287, 3145..3288, 3362..3439, 3362..3439, 3542..3589, 3542..3628, 3546..3620		

Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3067	Strand	+
Start	2562	End	2850
Name	OJ990823_12.9B01.C8.o1.gp	Method	AAT/GAP
Start	2562	End	2850
GI	5039075	Score	555
Exons	2562..2850		
Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3068	Strand	+
Start	4206	End	7354
Name	OJ990823_12.9B01.C8.o2.gs	Method	GENSCAN
Start	4206	End	7354
GI	none	Score	.8
Exons	4206..4222, 4297..4436, 5188..5807, 5999..6142, 6210..6353, 6460..6518, 6589..7354		
Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3068	Strand	+
Start	4206	End	7354
Name	OJ990823_12.9B01.C8.o2.np	Method	AAT/NAP
Start	5741	End	7351
GI	6721561	Score	1019
Exons	5741..5776, 6177..6389, 6460..6518, 6589..7351		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3069	Strand	+
Start	7292	End	13750
Name	OJ990823_12.9B01.C8.o4.np	Method	AAT/NAP
Start	7292	End	13750
GI	6721512	Score	92
Exons	7292..7330, 12156..12455, 13698..13750		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3070	Strand	-
Start	1	End	3376
Name	OJ990823_12.9B01.C8.o1.np	Method	AAT/NAP
Start	1	End	3376
GI	6453908	Score	842
Exons	1..248, 395..497, 592..662, 791..845, 1022..1125, 1210..1332, 2251..2343, 2414..2664, 3165..3376		
GI Descrip.	(AC011663) putative ABC transporter [Arabidopsis thaliana]		
Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3070	Strand	-
Start	1	End	3376
Name	OJ990823_12.9B01.C8.o1.gs	Method	GENSCAN
Start	791	End	2845
GI	none	Score	.5
Exons	791..967, 1210..1332, 1459..1503, 2432..2845		

Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3071	Strand	-
Start	7289	End	13750
Name	OJ990823_12.9B01.C8.o2.tm	Method	TBLASTX:Maize
Start	27	End	497
GI	none	Score	312
Exons	27..248, 37..249, 386..466, 389..496, 393..494, 393..497, 394..495		

Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3071	Strand	-
Start	7289	End	13750
Name	OJ990823_12.9B01.C8.o1.ts	Method	TBLASTX:Soybean
Start	36	End	847
GI	none	Score	182
Exons	36..248, 37..249, 55..249, 389..499, 393..500, 594..668, 594..668, 785..847, 788..847		

Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3071	Strand	-
Start	7289	End	13750
Name	OJ990823_12.9B01.C8.o4.tm	Method	TBLASTX:Maize
Start	588	End	1303
GI	none	Score	121
Exons	588..668, 591..695, 785..856, 789..842, 791..847, 1020..1133, 1021..1134, 1022..1138, 1184..1303, 1208..1294, 1210..1302		

Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3071	Strand	-
Start	7289	End	13750
Name	OJ990823_12.9B01.C8.o1.tc	Method	TBLASTX:Cress
Start	594	End	2501
GI	none	Score	91
Exons	594..668, 785..856, 1013..1129, 1014..1139, 1016..1129, 1024..1143, 1210..1332, 1220..1333, 1459..1503, 1604..1657, 2162..2281, 2224..2280, 2230..2343, 2285..2344, 2417..2500, 2421..2501		

Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3071	Strand	-
Start	7289	End	13750
Name	OJ990823_12.9B01.C8.o2.ts	Method	TBLASTX:Soybean
Start	1019	End	1335
GI	none	Score	63
Exons	1019..1138, 1021..1128, 1210..1335, 1211..1333, 1267..1335		

Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3071	Strand	-
Start	7289	End	13750
Name	OJ990823_12.9B01.C8.o1.tw	Method	TBLASTX:Wheat
Start	5521	End	9047
GI	none	Score	350
Exons	5521..5622, 8591..9046, 8592..9047		

Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3071	Strand	-

Start	7289	End	13750
Name	OJ990823_12.9B01.C8.o2.tw	Method	TBLASTX:Wheat
Start	7039	End	9694
GI	none	Score	157
Exons	7039..7056, 7074..7160, 9239..9475, 9249..9473, 9512..9694, 9513..9686		

Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3071	Strand	-
Start	7289	End	13750
Name	OJ990823_12.9B01.C8.o3.np	Method	AAT/NAP
Start	7289	End	13750
GI	4680183	Score	1192
Exons	7289..7392, 8507..8898, 8986..9027, 9493..10717, 11045..11177, 13730..13750		

GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3071	Strand	-
Start	7289	End	13750
Name	OJ990823_12.9B01.C8.o3.gs	Method	GENSCAN
Start	7694	End	12253
GI	none	Score	.4
Exons	7694..8016, 8096..8141, 8240..9055, 9089..9736, 9755..10340, 10401..10593, 10714..11476, 11630..12253		

Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3071	Strand	-
Start	7289	End	13750
Name	OJ990823_12.9B01.C8.o3.tw	Method	TBLASTX:Wheat
Start	8078	End	8476
GI	none	Score	173
Exons	8078..8476, 8166..8366, 8177..8476		

Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3071	Strand	-
Start	7289	End	13750
Name	OJ990823_12.9B01.C8.o3.tm	Method	TBLASTX:Maize
Start	8168	End	8533
GI	none	Score	96
Exons	8168..8533, 8169..8366		

Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3071	Strand	-
Start	7289	End	13750
Name	OJ990823_12.9B01.C8.o3.ts	Method	TBLASTX:Soybean
Start	8264	End	8500
GI	none	Score	69
Exons	8264..8500, 8274..8363		

Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3071	Strand	-
Start	7289	End	13750
Name	OJ990823_12.9B01.C8.o1.tm	Method	TBLASTX:Maize
Start	8561	End	8917
GI	none	Score	209
Exons	8561..8917, 8562..8855, 8615..8863		

Seq. No.	1476	Seq. ID	OJ990823_12.9B01.C8
Gene No.	3071	Strand	-
Start	7289	End	13750
Name	OJ990823_12.9B01.C8.o4.tw	Method	TBLASTX:Wheat
Start	10277	End	10675
GI	none	Score	69
Exons	10277..10675, 10377..10550, 10623..10661		
Seq. No.	1477	Seq. ID	OJ990823_12.9B01.C9
Gene No.	3072	Strand	-
Start	519	End	1112
Name	OJ990823_12.9B01.C9.o1.gs	Method	GENSCAN
Start	519	End	1112
GI	none	Score	.49
Exons	519..584, 894..1112		
Seq. No.	1478	Seq. ID	OJ990823_12.9B01.C10
Gene No.	3073	Strand	+
Start	7271	End	8036
Name	OJ990823_12.9B01.C10.o2.gs	Method	GENSCAN
Start	7271	End	8036
GI	none	Score	.79
Exons	7271..7310, 7834..8036		
Seq. No.	1478	Seq. ID	OJ990823_12.9B01.C10
Gene No.	3074	Strand	+
Start	8326	End	14114
Name	OJ990823_12.9B01.C10.o3.gs	Method	GENSCAN
Start	8326	End	13723
GI	none	Score	.88
Exons	8326..8421, 8760..9402, 9503..10005, 10516..10635, 11875..11985, 12456..12481, 12725..12792, 13113..13226, 13322..13503, 13655..13723		
Seq. No.	1478	Seq. ID	OJ990823_12.9B01.C10
Gene No.	3074	Strand	+
Start	8326	End	14114
Name	OJ990823_12.9B01.C10.o4.gp	Method	AAT/GAP
Start	10545	End	13229
GI	none	Score	927
Exons	10545..10635, 11086..11151, 11875..11985, 12379..12455, 12725..12792, 13113..13229		
Seq. No.	1478	Seq. ID	OJ990823_12.9B01.C10
Gene No.	3074	Strand	+
Start	8326	End	14114
Name	OJ990823_12.9B01.C10.o5.gp	Method	AAT/GAP
Start	13377	End	14114
GI	LIB3434-010-P1-K1-F8	Score	490
Exons	13377..13503, 13655..13723, 14023..14114		
GI Descrip.	'2781363 2.0e-20 (AC003113) F2401.19 [Arabidopsis thaliana]'		
Seq. No.	1478	Seq. ID	OJ990823_12.9B01.C10
Gene No.	3075	Strand	-
Start	1455	End	4949
Name	OJ990823_12.9B01.C10.o1.gs	Method	GENSCAN

Start	1455	End	4865
GI	none	Score	.74
Exons	1455..1748, 1949..2064, 2184..2230, 2685..2785, 3003..3092, 3288..4865		

Seq. No.	1478	Seq. ID	OJ990823_12.9B01.C10
Gene No.	3075	Strand	-
Start	1455	End	4949
Name	OJ990823_12.9B01.C10.o1.np	Method	AAT/NAP
Start	1458	End	4865
GI	629807	Score	3671
Exons	1458..1748, 1988..2064, 2184..2230, 2685..2785, 3003..3092, 3288..4865		
GI Descrip.	VP1 protein - rice		

Seq. No.	1478	Seq. ID	OJ990823_12.9B01.C10
Gene No.	3075	Strand	-
Start	1455	End	4949
Name	OJ990823_12.9B01.C10.o1.tm	Method	TBLASTX:Maize
Start	1651	End	3093
GI	none	Score	70
Exons	1651..1719, 1726..1746, 1982..2068, 1983..2066, 2168..2233, 2178..2234, 2178..2234, 2179..2235, 2179..2235, 2660..2788, 2671..2784, 2684..2830, 3003..3089, 3003..3092, 3004..3093		

Seq. No.	1478	Seq. ID	OJ990823_12.9B01.C10
Gene No.	3075	Strand	-
Start	1455	End	4949
Name	OJ990823_12.9B01.C10.o1.gp	Method	AAT/GAP
Start	2671	End	3438
GI	72020_1.R1084	Score	585
Exons	2671..2785, 3003..3092, 3288..3438		
GI Descrip.	'391884/dbj D16640 RICOSVP1 1.0e-62 Rice DNA for VP1 protein, complete cds'		

Seq. No.	1478	Seq. ID	OJ990823_12.9B01.C10
Gene No.	3075	Strand	-
Start	1455	End	4949
Name	OJ990823_12.9B01.C10.o2.gp	Method	AAT/GAP
Start	4215	End	4538
GI	5607328	Score	644
Exons	4215..4538		
GI Descrip.	586238/sp P37398 VIV_ORYSA 2.0e-51 VIVIPAROUS PROTEIN HOMOLOG >gi_632294_pir_S48899 VP1 protein (OSVP1) - Oryza sativa >gi_391885_dbj_BAA04066_ (D16640) VP1 protein (OSVP1) [Oryza sativa]		

Seq. No.	1478	Seq. ID	OJ990823_12.9B01.C10
Gene No.	3075	Strand	-
Start	1455	End	4949
Name	OJ990823_12.9B01.C10.o3.gp	Method	AAT/GAP
Start	4628	End	4949
GI	5607329	Score	612
Exons	4628..4949		
GI Descrip.	391884/dbj D16640 RICOSVP1 1.0e-62 Rice DNA for VP1 protein, complete cds		

Seq. No.	1478	Seq. ID	OJ990823_12.9B01.C10
Gene No.	3076	Strand	
Start	12729	End	14113
Name	OJ990823_12.9B01.C10.o2.tm	Method	TBLASTX:Maize
Start	12729	End	14113
GI	none	Score	90
Exons	12729..12788, 12731..12793, 12731..12787, 13172..13225, 13290..13502, 13313..13516, 13317..13502, 13363..13509, 13654..13725, 13662..13724, 14017..14109, 14021..14113		

Seq. No.	1479	Seq. ID	OJ990823_12.9B01.C11
Gene No.	3077	Strand	-
Start	1005	End	5053
Name	OJ990823_12.9B01.C11.o1.tm	Method	TBLASTX:Maize
Start	726	End	1923
GI	none	Score	43
Exons	726..773, 738..770, 752..877, 752..877, 753..878, 996..1151, 1006..1167, 1030..1137, 1345..1392, 1346..1390, 1462..1584, 1478..1585, 1478..1594, 1479..1595, 1479..1595, 1480..1599, 1720..1923, 1725..1913		

Seq. No.	1479	Seq. ID	OJ990823_12.9B01.C11
Gene No.	3077	Strand	-
Start	1005	End	5053
Name	OJ990823_12.9B01.C11.o1.gs	Method	GENSCAN
Start	1005	End	5053
GI	none	Score	.61
Exons	1005..1136, 1345..1434, 1478..1594, 1719..1899, 2541..2680, 3265..3305, 3608..3726, 4654..4838, 4934..5053		

Seq. No.	1479	Seq. ID	OJ990823_12.9B01.C11
Gene No.	3077	Strand	-
Start	1005	End	5053
Name	OJ990823_12.9B01.C11.o2.tm	Method	TBLASTX:Maize
Start	3694	End	4990
GI	none	Score	41
Exons	3694..3720, 3802..3909, 3807..3911, 3807..3911, 4180..4260, 4180..4266, 4335..4415, 4335..4418, 4336..4422, 4689..4862, 4723..4839, 4730..4840, 4931..4990		

Seq. No.	1480	Seq. ID	OJ990823_12.9B01.C12
Gene No.	3078	Strand	+
Start	1	End	2341
Name	OJ990823_12.9B01.C12.o1.np	Method	AAT/NAP
Start	1	End	2341
GI	4581111	Score	43
Exons	1..40, 1692..1821, 2107..2341		
GI Descrip.	(AC005825) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	1480	Seq. ID	OJ990823_12.9B01.C12
Gene No.	3078	Strand	+
Start	1	End	2341
Name	OJ990823_12.9B01.C12.o1.gs	Method	GENSCAN
Start	44	End	1045
GI	none	Score	.55
Exons	44..1045		

Seq. No.	1480	Seq. ID	OJ990823_12.9B01.C12
Gene No.	3079	Strand	+
Start	4210	End	4318
Name	OJ990823_12.9B01.C12.o4.gs	Method	GENSCAN
Start	4210	End	4318
GI	none	Score	.6
Exons	4210..4318		

Seq. No.	1480	Seq. ID	OJ990823_12.9B01.C12
Gene No.	3080	Strand	-
Start	1853	End	2177
Name	OJ990823_12.9B01.C12.o2.gs	Method	GENSCAN
Start	1853	End	2177
GI	none	Score	.7
Exons	1853..1956, 2066..2078, 2163..2177		

Seq. No.	1480	Seq. ID	OJ990823_12.9B01.C12
Gene No.	3081	Strand	-
Start	2558	End	2761
Name	OJ990823_12.9B01.C12.o3.gs	Method	GENSCAN
Start	2558	End	2761
GI	none	Score	.79
Exons	2558..2761		

Seq. No.	1481	Seq. ID	OJ990823_12.9B01.C13
Gene No.	3082	Strand	+
Start	5269	End	9848
Name	OJ990823_12.9B01.C13.o1.np	Method	AAT/NAP
Start	5269	End	9848
GI	4680179	Score	4532
Exons	5269..6328, 6431..9848		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1481	Seq. ID	OJ990823_12.9B01.C13
Gene No.	3083	Strand	-
Start	268	End	470
Name	OJ990823_12.9B01.C13.o1.gs	Method	GENSCAN
Start	268	End	470
GI	none	Score	.8
Exons	268..470		

Seq. No.	1481	Seq. ID	OJ990823_12.9B01.C13
Gene No.	3084	Strand	-
Start	679	End	2604
Name	OJ990823_12.9B01.C13.o2.gs	Method	GENSCAN
Start	679	End	2604
GI	none	Score	.49
Exons	679..869, 1086..1217, 1249..1513, 2328..2410, 2526..2604		

Seq. No.	1481	Seq. ID	OJ990823_12.9B01.C13
Gene No.	3085	Strand	-
Start	5491	End	6150
Name	OJ990823_12.9B01.C13.o8.tw	Method	TBLASTX:Wheat
Start	5491	End	5868
GI	none	Score	265
Exons	5491..5868		

Seq. No. 1481
 Gene No. 3085
 Start 5491
 Name OJ990823_12.9B01.C13.o6.tm
 Start 5749
 GI none
 Exons 5749..6150

Seq. ID OJ990823_12.9B01.C13
 Strand
 End 6150
 Method TBLASTX:Maize
 End 6150
 Score 239

Seq. No. 1481
 Gene No. 3086
 Start 6459
 Name OJ990823_12.9B01.C13.o8.tm
 Start 6459
 GI none
 Exons 6459..6572, 6460..6783

Seq. ID OJ990823_12.9B01.C13
 Strand
 End 6870
 Method TBLASTX:Maize
 End 6783
 Score 204

Seq. No. 1481
 Gene No. 3086
 Start 6459
 Name OJ990823_12.9B01.C13.o7.tw
 Start 6466
 GI none
 Exons 6466..6687, 6466..6519, 6510..6620, 6696..6815, 6700..6870

Seq. ID OJ990823_12.9B01.C13
 Strand
 End 6870
 Method TBLASTX:Wheat
 End 6870
 Score 165

Seq. No. 1481
 Gene No. 3087
 Start 6874
 Name OJ990823_12.9B01.C13.o7.tm
 Start 6874
 GI none
 Exons 6874..7080, 6933..7079

Seq. ID OJ990823_12.9B01.C13
 Strand
 End 7080
 Method TBLASTX:Maize
 End 7080
 Score 204

Seq. No. 1481
 Gene No. 3088
 Start 7011
 Name OJ990823_12.9B01.C13.o4.tw
 Start 7011
 GI none
 Exons 7011..7466, 7012..7494, 7039..7485

Seq. ID OJ990823_12.9B01.C13
 Strand
 End 7911
 Method TBLASTX:Wheat
 End 7494
 Score 531

Seq. No. 1481
 Gene No. 3088
 Start 7011
 Name OJ990823_12.9B01.C13.o3.tm
 Start 7081
 GI none
 Exons 7081..7548, 7152..7325, 7153..7329

Seq. ID OJ990823_12.9B01.C13
 Strand
 End 7911
 Method TBLASTX:Maize
 End 7548
 Score 381

Seq. No. 1481
 Gene No. 3088
 Start 7011
 Name OJ990823_12.9B01.C13.o1.ts
 Start 7435
 GI none
 Exons 7435..7467, 7435..7467, 7452..7547, 7471..7830, 7471..7779, 7587..7802

Seq. ID OJ990823_12.9B01.C13
 Strand
 End 7911
 Method TBLASTX:Soybean
 End 7830
 Score 56

Seq. No.	1481	Seq. ID	OJ990823_12.9B01.C13
Gene No.	3088	Strand	
Start	7011	End	7911
Name	OJ990823_12.9B01.C13.o6.tw	Method	TBLASTX:Wheat
Start	7543	End	7839
GI	none	Score	363
Exons	7543..7839, 7543..7779, 7587..7802, 7604..7819		

Seq. No.	1481	Seq. ID	OJ990823_12.9B01.C13
Gene No.	3088	Strand	
Start	7011	End	7911
Name	OJ990823_12.9B01.C13.o5.tm	Method	TBLASTX:Maize
Start	7564	End	7911
GI	none	Score	303
Exons	7564..7911, 7632..7766		

Seq. No.	1481	Seq. ID	OJ990823_12.9B01.C13
Gene No.	3089	Strand	
Start	7845	End	8271
Name	OJ990823_12.9B01.C13.o2.tw	Method	TBLASTX:Wheat
Start	7845	End	8271
GI	none	Score	589
Exons	7845..8219, 7846..8271, 7903..8256		

Seq. No.	1481	Seq. ID	OJ990823_12.9B01.C13
Gene No.	3089	Strand	
Start	7845	End	8271
Name	OJ990823_12.9B01.C13.o3.ts	Method	TBLASTX:Soybean
Start	7852	End	8097
GI	none	Score	205
Exons	7852..8097		

Seq. No.	1481	Seq. ID	OJ990823_12.9B01.C13
Gene No.	3089	Strand	
Start	7845	End	8271
Name	OJ990823_12.9B01.C13.o2.tm	Method	TBLASTX:Maize
Start	7918	End	8271
GI	none	Score	457
Exons	7918..8271, 7920..8228		

Seq. No.	1481	Seq. ID	OJ990823_12.9B01.C13
Gene No.	3090	Strand	
Start	8314	End	9804
Name	OJ990823_12.9B01.C13.o3.tw	Method	TBLASTX:Wheat
Start	8314	End	8838
GI	none	Score	571
Exons	8314..8838, 8466..8834		

Seq. No.	1481	Seq. ID	OJ990823_12.9B01.C13
Gene No.	3090	Strand	
Start	8314	End	9804
Name	OJ990823_12.9B01.C13.o1.tc	Method	TBLASTX:Cress
Start	8545	End	8862
GI	none	Score	102
Exons	8545..8718, 8566..8718, 8719..8862, 8721..8843		

Seq. No.	1481	Seq. ID	OJ990823_12.9B01.C13
Gene No.	3090	Strand	
Start	8314	End	9804
Name	OJ990823_12.9B01.C13.o2.ts	Method	TBLASTX:Soybean
Start	8631	End	8886
GI	none	Score	291
Exons	8631..8876, 8647..8886, 8758..8886		

Seq. No.	1481	Seq. ID	OJ990823_12.9B01.C13
Gene No.	3090	Strand	
Start	8314	End	9804
Name	OJ990823_12.9B01.C13.o4.tm	Method	TBLASTX:Maize
Start	8684	End	8976
GI	none	Score	69
Exons	8684..8836, 8686..8976, 8697..8876, 8758..8973		

Seq. No.	1481	Seq. ID	OJ990823_12.9B01.C13
Gene No.	3090	Strand	
Start	8314	End	9804
Name	OJ990823_12.9B01.C13.o1.tw	Method	TBLASTX:Wheat
Start	8845	End	9471
GI	none	Score	666
Exons	8845..9471, 8940..9347, 8992..9420		

Seq. No.	1481	Seq. ID	OJ990823_12.9B01.C13
Gene No.	3090	Strand	
Start	8314	End	9804
Name	OJ990823_12.9B01.C13.o1.tm	Method	TBLASTX:Maize
Start	9025	End	9621
GI	none	Score	215
Exons	9025..9177, 9028..9186, 9033..9179, 9184..9621, 9184..9621		

Seq. No.	1481	Seq. ID	OJ990823_12.9B01.C13
Gene No.	3090	Strand	
Start	8314	End	9804
Name	OJ990823_12.9B01.C13.o5.tw	Method	TBLASTX:Wheat
Start	9471	End	9804
GI	none	Score	367
Exons	9471..9740, 9472..9804, 9634..9783		

Seq. No.	1481	Seq. ID	OJ990823_12.9B01.C13
Gene No.	3090	Strand	
Start	8314	End	9804
Name	OJ990823_12.9B01.C13.o9.tm	Method	TBLASTX:Maize
Start	9631	End	9789
GI	none	Score	186
Exons	9631..9789		

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
Gene No.	3091	Strand	+
Start	2041	End	5435
Name	OJ990823_12.9B01.C14.o1.gs	Method	GENSCAN
Start	2041	End	5435
GI	none	Score	.49
Exons	2041..2145, 4414..4485, 5206..5329, 5341..5435		

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
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Gene No.	3092	Strand	+
Start	6564	End	9821
Name	OJ990823_12.9B01.C14.o2.gs	Method	GENSCAN
Start	6564	End	9127
GI	none	Score	.43
Exons	6564..6679, 6738..6883, 8592..9127		

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
Gene No.	3092	Strand	+
Start	6564	End	9821
Name	OJ990823_12.9B01.C14.o2.np	Method	AAT/NAP
Start	8603	End	9821
GI	4678202	Score	52
Exons	8603..8755, 9786..9821		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
Gene No.	3093	Strand	-
Start	10124	End	12145
Name	OJ990823_12.9B01.C14.o3.gs	Method	GENSCAN
Start	10124	End	12145
GI	none	Score	.89
Exons	10124..10228, 10346..10495, 10538..10702, 10925..11005, 11657..11886, 11929..12145		

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
Gene No.	3093	Strand	-
Start	10124	End	12145
Name	OJ990823_12.9B01.C14.o3.np	Method	AAT/NAP
Start	10334	End	11869
GI	4646202	Score	611
Exons	10334..10702, 10925..11005, 11657..11869		
GI Descrip.	(AC007230) ESTs gb H76289 and gb H76537 come from this gene. [Arabidopsis thaliana]		

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
Gene No.	3093	Strand	-
Start	10124	End	12145
Name	OJ990823_12.9B01.C14.o1.gp	Method	AAT/GAP
Start	10671	End	12136
GI	LIB3432-046-P1-K1-B4	Score	849
Exons	10671..10702, 10925..11005, 11657..11886, 11980..12136		
GI Descrip.	'4646202/gb AAD26875.1 AC007230_9 5.0e-39 (AC007230) ESTs gb_H76289 and gb_H76537 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
Gene No.	3094	Strand	-
Start	13141	End	23385
Name	OJ990823_12.9B01.C14.o2.ts	Method	TBLASTX:Soybean
Start	10022	End	11830
GI	none	Score	88
Exons	10022..10045, 10124..10225, 10125..10196, 10346..10516, 10347..10385, 10391..10618, 10428..10610, 10628..10702, 10635..10703, 10925..11011, 10926..10997, 11655..11771, 11657..11830		

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
Gene No.	3094	Strand	-
Start	13141	End	23385
Name	OJ990823_12.9B01.C14.o1.tm	Method	TBLASTX:Maize
Start	10197	End	10991
GI	none	Score	64
Exons	10197..10235, 10199..10243, 10346..10432, 10350..10385, 10412..10702, 10416..10724, 10431..10706, 10921..10989, 10925..10990, 10926..10991		

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
Gene No.	3094	Strand	-
Start	13141	End	23385
Name	OJ990823_12.9B01.C14.o1.tc	Method	TBLASTX:Cress
Start	10925	End	11830
GI	none	Score	90
Exons	10925..11011, 10926..10997, 11654..11830, 11655..11771		

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
Gene No.	3094	Strand	-
Start	13141	End	23385
Name	OJ990823_12.9B01.C14.o5.tm	Method	TBLASTX:Maize
Start	11687	End	12207
GI	none	Score	153
Exons	11687..11839, 11732..11854, 11972..12013, 12141..12206, 12142..12207, 12143..12196		

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
Gene No.	3094	Strand	-
Start	13141	End	23385
Name	OJ990823_12.9B01.C14.o3.tm	Method	TBLASTX:Maize
Start	13137	End	13336
GI	none	Score	173
Exons	13137..13331, 13141..13335, 13143..13331, 13202..13336		

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
Gene No.	3094	Strand	-
Start	13141	End	23385
Name	OJ990823_12.9B01.C14.o4.gs	Method	GENSCAN
Start	13141	End	23385
GI	none	Score	.71
Exons	13141..13422, 13657..13914, 13993..14118, 14212..14307, 14402..14492, 15101..15189, 15379..15883, 16186..16241, 16341..16407, 16516..16568, 16602..16894, 17694..17835, 17921..18241, 18321..18565, 18946..19321, 19450..19472, 19588..19843, 19936..20184, 20189..20259, 20348..20437, 20550..20666, 21054..21388, 21398..22143, 22291..23385		

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
Gene No.	3094	Strand	-
Start	13141	End	23385
Name	OJ990823_12.9B01.C14.o4.np	Method	AAT/NAP
Start	13144	End	16820
GI	6560748	Score	634
Exons	13144..13422, 13657..13914, 13993..14118, 14218..14307, 14348..14492, 15101..15189, 15676..15828, 16341..16409, 16602..16820		

GI Descrip. (AC010155) F3M18.1 [Arabidopsis thaliana]
gi|6691212|gb|AAF24550.1|AC007508_13 (AC007508) FlK23.17
[Arabidopsis thaliana]

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
Gene No.	3094	Strand	-
Start	13141	End	23385
Name	OJ990823_12.9B01.C14.o1.ts	Method	TBLASTX:Soybean
Start	13174	End	14286
GI	none	Score	131
Exons	13174..13425, 13217..13426, 13655..13756, 13657..13887, 13658..13888, 13981..14115, 13982..14119, 14209..14286		

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
Gene No.	3094	Strand	-
Start	13141	End	23385
Name	OJ990823_12.9B01.C14.o4.tm	Method	TBLASTX:Maize
Start	13891	End	15189
GI	none	Score	127
Exons	13891..13917, 13975..14121, 13983..14114, 13991..14116, 13993..14127, 14212..14310, 14215..14310, 14216..14314, 14402..14512, 14402..14494, 15091..15189, 15094..15186		

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
Gene No.	3094	Strand	-
Start	13141	End	23385
Name	OJ990823_12.9B01.C14.o5.np	Method	AAT/NAP
Start	18932	End	23274
GI	5441880	Score	2033
Exons	18932..19657, 19760..20404, 20513..20651, 21201..21528, 21787..21822, 22267..23274		

GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the
predicted gene.; Similar to maize transposon MuDR mudrA protein.
(AC003981) [Oryza sativa]

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
Gene No.	3094	Strand	-
Start	13141	End	23385
Name	OJ990823_12.9B01.C14.o2.gp	Method	AAT/GAP
Start	19259	End	20398
GI	LIB3433-020-P1-K1-A6	Score	750
Exons	19259..19643, 20356..20398		

GI Descrip. '5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp.
japonica BAC clone 34K24, complete sequence'

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
Gene No.	3094	Strand	-
Start	13141	End	23385
Name	OJ990823_12.9B01.C14.o1.tw	Method	TBLASTX:Wheat
Start	22036	End	22413
GI	none	Score	59
Exons	22036..22209, 22047..22187, 22153..22200, 22234..22410, 22259..22411, 22264..22413		

Seq. No.	1482	Seq. ID	OJ990823_12.9B01.C14
Gene No.	3094	Strand	-
Start	13141	End	23385

Name	OJ990823_12.9B01.C14.o2.tm	Method	TBLASTX:Maize
Start	22229	End	22707
GI	none	Score	221
Exons	22229..22702, 22240..22707		
Seq. No.	1483	Seq. ID	OJ990823_12.9B01.C15
Gene No.	3095	Strand	+
Start	3792	End	4529
Name	OJ990823_12.9B01.C15.o2.gs	Method	GENSCAN
Start	3792	End	4529
GI	none	Score	.9
Exons	3792..4529		
Seq. No.	1483	Seq. ID	OJ990823_12.9B01.C15
Gene No.	3096	Strand	-
Start	2101	End	3107
Name	OJ990823_12.9B01.C15.o1.gs	Method	GENSCAN
Start	2101	End	3107
GI	none	Score	.45
Exons	2101..2202, 2289..3107		
Seq. No.	1483	Seq. ID	OJ990823_12.9B01.C15
Gene No.	3097	Strand	-
Start	5503	End	5576
Name	OJ990823_12.9B01.C15.o3.gs	Method	GENSCAN
Start	5503	End	5576
GI	none	Score	.99
Exons	5503..5576		
Seq. No.	1484	Seq. ID	OJ990823_12.9B01.C16
Gene No.	3098	Strand	-
Start	1	End	449
Name	OJ990823_12.9B01.C16.o1.np	Method	AAT/NAP
Start	1	End	449
GI	6907088	Score	419
Exons	1..184, 312..449		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	1485	Seq. ID	OJ990913_15.9B12.C1
Gene No.	3099	Strand	-
Start	1	End	410
Name	OJ990913_15.9B12.C1.o1.np	Method	AAT/NAP
Start	1	End	410
GI	5231113	Score	138
Exons	1..410		
GI Descrip.	(AF141202) EIN2 [Arabidopsis thaliana] gi 5231115 gb AAD41077.1 AF141203_1 (AF141203) EIN2 [Arabidopsis thaliana]		
Seq. No.	1486	Seq. ID	OJ990913_15.9B12.C2
Gene No.	3100	Strand	+
Start	5448	End	6688
Name	OJ990913_15.9B12.C2.o2.gs	Method	GENSCAN
Start	5448	End	6688
GI	none	Score	.75
Exons	5448..5542, 5823..5900, 6637..6688		

Seq. No.	1486	Seq. ID	OJ990913_15.9B12.C2
Gene No.	3101	Strand	+
Start	7095	End	7576
Name	OJ990913_15.9B12.C2.o1.gp	Method	AAT/GAP
Start	7095	End	7576
GI	56070_1.R1084	Score	885
Exons	7095..7576		
GI Descrip.	'2182267/gb AAB60715.1 2.0e-24 (L37359) lipoxygenase [Hordeum vulgare]'		

Seq. No.	1486	Seq. ID	OJ990913_15.9B12.C2
Gene No.	3102	Strand	-
Start	1	End	4654
Name	OJ990913_15.9B12.C2.o1.np	Method	AAT/NAP
Start	1	End	3673
GI	5231113	Score	715
Exons	1..436, 526..694, 1661..1881, 1967..2080, 2251..2337, 2594..2796, 3628..3673		
GI Descrip.	(AF141202) EIN2 [Arabidopsis thaliana] gi 5231115 gb AAD41077.1 AF141203_1 (AF141203) EIN2 [Arabidopsis thaliana]		

Seq. No.	1486	Seq. ID	OJ990913_15.9B12.C2
Gene No.	3102	Strand	-
Start	1	End	4654
Name	OJ990913_15.9B12.C2.o1.gs	Method	GENSCAN
Start	1967	End	4654
GI	none	Score	.49
Exons	1967..2080, 2251..2373, 2594..2862, 4555..4654		

Seq. No.	1486	Seq. ID	OJ990913_15.9B12.C2
Gene No.	3103	Strand	-
Start	7352	End	13079
Name	OJ990913_15.9B12.C2.o3.tm	Method	TBLASTX:Maize
Start	51	End	298
GI	none	Score	262
Exons	51..293, 51..293, 179..298		

Seq. No.	1486	Seq. ID	OJ990913_15.9B12.C2
Gene No.	3103	Strand	-
Start	7352	End	13079
Name	OJ990913_15.9B12.C2.o2.tm	Method	TBLASTX:Maize
Start	302	End	723
GI	none	Score	126
Exons	302..469, 303..437, 493..603, 559..723, 563..715		

Seq. No.	1486	Seq. ID	OJ990913_15.9B12.C2
Gene No.	3103	Strand	-
Start	7352	End	13079
Name	OJ990913_15.9B12.C2.o1.tc	Method	TBLASTX:Cress
Start	7337	End	12379
GI	none	Score	139
Exons	7337..7393, 7397..7699, 7398..7694, 7442..7726, 7694..8137, 7764..7937, 8019..8168, 8234..8299, 8279..8497, 8280..8486, 8583..8663, 8583..8666, 8676..8798, 8677..8796, 8709..8798, 8820..8894, 9040..9138, 9044..9139, 9239..9328, 9244..9333, 9436..9738, 9593..9733, 9745..9774, 9873..9944, 9877..9945,		

9945..10028, 10032..10115, 12095..12379, 12096..12344

Seq. No. 1486 Seq. ID OJ990913_15.9B12.C2
Gene No. 3103 Strand -
Start 7352 End 13079
Name OJ990913_15.9B12.C2.o1.tm Method TBLASTX:Maize
Start 7346 End 12307
GI none Score 44
Exons 7346..7393, 7353..7394, 7427..7588, 7430..7588, 7545..7652,
7745..8137, 7746..8138, 8234..8347, 8235..8348, 8275..8370,
8351..8497, 8364..8498, 8583..8648, 8689..8781, 8691..8771,
8814..8894, 9040..9138, 9041..9157, 9241..9333, 9242..9313,
9703..9744, 9745..9777, 9870..9941, 9871..9957, 9906..10025,
10030..10071, 10032..10091, 12089..12112, 12104..12166,
12191..12307

Seq. No. 1486 Seq. ID OJ990913_15.9B12.C2
Gene No. 3103 Strand -
Start 7352 End 13079
Name OJ990913_15.9B12.C2.o1.ts Method TBLASTX:Soybean
Start 7346 End 12373
GI none Score 46
Exons 7346..7396, 7356..7394, 7398..7469, 7415..7690, 7512..7682,
7694..8137, 7740..8138, 8234..8497, 8235..8498, 8237..8506,
8583..8798, 8647..8796, 8817..8894, 9077..9139, 9082..9138,
9244..9333, 9245..9322, 9436..9516, 9553..9615, 9562..9627,
9619..9732, 9679..9774, 9873..10028, 9877..10029, 10032..10112,
10036..10113, 12095..12373, 12096..12308

Seq. No. 1486 Seq. ID OJ990913_15.9B12.C2
Gene No. 3103 Strand -
Start 7352 End 13079
Name OJ990913_15.9B12.C2.o3.gs Method GENSCAN
Start 7352 End 12322
GI none Score .87
Exons 7352..8135, 8235..8498, 8584..8891, 9037..9127, 9182..9326,
9435..9773, 9869..10112, 12092..12322

Seq. No. 1486 Seq. ID OJ990913_15.9B12.C2
Gene No. 3103 Strand -
Start 7352 End 13079
Name OJ990913_15.9B12.C2.o2.np Method AAT/NAP
Start 7355 End 13079
GI 2182267 Score 3107
Exons 7355..8135, 8235..8498, 8584..8891, 9037..9144, 9241..9326,
9435..9773, 9869..10112, 12092..12381, 12994..13079
GI Descrip. (L37359) lipxygenase [Hordeum vulgare]

Seq. No. 1486 Seq. ID OJ990913_15.9B12.C2
Gene No. 3103 Strand -
Start 7352 End 13079
Name OJ990913_15.9B12.C2.o2.tw Method TBLASTX:Wheat
Start 7715 End 7978
GI none Score 258
Exons 7715..7978, 7740..7937

Seq. No. 1486 Seq. ID OJ990913_15.9B12.C2

Gene No.	3103	Strand	-
Start	7352	End	13079
Name	OJ990913_15.9B12.C2.o1.tw	Method	TBLASTX:Wheat
Start	8262	End	8825
GI	none	Score	319
Exons	8262..8498, 8264..8506, 8264..8497, 8583..8681, 8583..8669, 8673..8825, 8674..8823		

Seq. No.	1486	Seq. ID	OJ990913_15.9B12.C2
Gene No.	3103	Strand	-
Start	7352	End	13079
Name	OJ990913_15.9B12.C2.o3.tw	Method	TBLASTX:Wheat
Start	8847	End	9607
GI	none	Score	57
Exons	8847..8894, 8851..8895, 8851..8895, 9040..9138, 9041..9139, 9042..9146, 9239..9316, 9241..9327, 9241..9333, 9427..9588, 9427..9600, 9437..9607		

Seq. No.	1486	Seq. ID	OJ990913_15.9B12.C2
Gene No.	3103	Strand	-
Start	7352	End	13079
Name	OJ990913_15.9B12.C2.o4.tm	Method	TBLASTX:Maize
Start	9547	End	9702
GI	none	Score	111
Exons	9547..9702, 9596..9700		

Seq. No.	1486	Seq. ID	OJ990913_15.9B12.C2
Gene No.	3103	Strand	-
Start	7352	End	13079
Name	OJ990913_15.9B12.C2.o2.gp	Method	AAT/GAP
Start	9570	End	12215
GI	uC-osroM202029g05b1	Score	1034
Exons	9570..9773, 9869..10112, 12092..12215		
GI Descrip.	'126401/sp P29250 LOX2_ORYSA 1.0e-65 LIPOXYGENASE L-2 >gi_100690_pir_S23454_lipoxygenase (EC 1.13.11.12) L-2 - rice >gi_20267_emb_CAA45738_(X64396) lipoxygenase [Oryza sativa]'		

Seq. No.	1487	Seq. ID	OJ990913_15.9B12.C3
Gene No.	3104	Strand	-
Start	45	End	2835
Name	OJ990913_15.9B12.C3.o1.gs	Method	GENSCAN
Start	45	End	2835
GI	none	Score	.89
Exons	45..143, 593..852, 1578..1700, 2814..2835		

Seq. No.	1488	Seq. ID	OJ990913_15.9B12.C4
Gene No.	3105	Strand	-
Start	944	End	1366
Name	OJ990913_15.9B12.C4.o1.gs	Method	GENSCAN
Start	944	End	1366
GI	none	Score	.69
Exons	944..1366		

Seq. No.	1489	Seq. ID	OJ990913_15.9B12.C5
Gene No.	3106	Strand	+
Start	1485	End	4468
Name	OJ990913_15.9B12.C5.o1.gs	Method	GENSCAN

Start	1485	End	4468
GI	none	Score	.73
Exons	1485..1632, 1687..1786, 2231..2361, 2465..2737, 3007..3907, 3961..4119, 4210..4468		

Seq. No.	1490	Seq. ID	OJ990913_15.9B12.C6
Gene No.	3107	Strand	+
Start	681	End	1003
Name	OJ990913_15.9B12.C6.o1.gs	Method	GENSCAN
Start	681	End	1003
GI	none	Score	.72
Exons	681..1003		

Seq. No.	1490	Seq. ID	OJ990913_15.9B12.C6
Gene No.	3108	Strand	-
Start	1165	End	7882
Name	OJ990913_15.9B12.C6.o2.gs	Method	GENSCAN
Start	1165	End	7882
GI	none	Score	.91
Exons	1165..1936, 2029..2292, 2371..2678, 2786..2893, 2989..3074, 3163..3498, 3756..3993, 4680..4978, 5381..5603, 7804..7882		

Seq. No.	1490	Seq. ID	OJ990913_15.9B12.C6
Gene No.	3108	Strand	-
Start	1165	End	7882
Name	OJ990913_15.9B12.C6.o1.np	Method	AAT/NAP
Start	1168	End	5573
GI	2506825	Score	3549
Exons	1168..1936, 2029..2292, 2371..2678, 2786..2893, 2989..3074, 3163..3498, 3756..3993, 4680..4978, 5381..5573		
GI Descrip.	LIPOXYGENASE 1 gi 532572 (L35931) lipoxxygenase 1 [Hordeum vulgare] gi 1094924 prf 2107185A lipoxxygenase [Hordeum vulgare]		

Seq. No.	1490	Seq. ID	OJ990913_15.9B12.C6
Gene No.	3108	Strand	-
Start	1165	End	7882
Name	OJ990913_15.9B12.C6.o1.ts	Method	TBLASTX:Soybean
Start	1225	End	5576
GI	none	Score	351
Exons	1225..1938, 1238..1939, 2028..2291, 2029..2292, 2370..2585, 2371..2586, 2607..2681, 2786..2896, 3001..3069, 3278..3343, 3347..3460, 3479..3505, 3838..3918, 3919..3996, 4683..4760, 4770..4859, 4863..4949, 5385..5471, 5472..5522, 5553..5576		

Seq. No.	1490	Seq. ID	OJ990913_15.9B12.C6
Gene No.	3108	Strand	-
Start	1165	End	7882
Name	OJ990913_15.9B12.C6.o1.tc	Method	TBLASTX:Cress
Start	1231	End	5522
GI	none	Score	284
Exons	1231..1938, 1232..1762, 1820..1939, 2028..2075, 2073..2291, 2074..2286, 2370..2453, 2371..2454, 2463..2585, 2464..2589, 2607..2681, 2786..2896, 2793..2894, 2992..3075, 3155..3460, 3164..3334, 3291..3455, 3458..3505, 3811..3837, 3847..3912, 3922..3996, 4683..4760, 4767..4850, 4768..4851, 4857..4922, 4858..4911, 4920..4982, 5385..5522, 5386..5520		

Seq. No.	1490	Seq. ID	OJ990913_15.9B12.C6
Gene No.	3108	Strand	-
Start	1165	End	7882
Name	OJ990913_15.9B12.C6.o1.tm	Method	TBLASTX:Maize
Start	1237	End	4859
GI	none	Score	42
Exons	1237..1398, 1399..1509, 1400..1420, 1534..1938, 1535..1939, 2028..2141, 2029..2142, 2142..2291, 2143..2292, 2151..2294, 2370..2435, 2475..2543, 2512..2547, 2550..2588, 2593..2682, 2601..2681, 2766..2891, 2786..2893, 2989..3060, 2990..3043, 3431..3505, 3844..3924, 3913..3999, 4677..4700, 4692..4763, 4782..4859		

Seq. No.	1490	Seq. ID	OJ990913_15.9B12.C6
Gene No.	3108	Strand	-
Start	1165	End	7882
Name	OJ990913_15.9B12.C6.o3.tw	Method	TBLASTX:Wheat
Start	1513	End	1779
GI	none	Score	349
Exons	1513..1779, 1514..1765		

Seq. No.	1490	Seq. ID	OJ990913_15.9B12.C6
Gene No.	3108	Strand	-
Start	1165	End	7882
Name	OJ990913_15.9B12.C6.o1.tw	Method	TBLASTX:Wheat
Start	2056	End	2612
GI	none	Score	330
Exons	2056..2292, 2056..2097, 2058..2291, 2167..2292, 2370..2456, 2371..2454, 2455..2601, 2460..2612, 2463..2612		

Seq. No.	1490	Seq. ID	OJ990913_15.9B12.C6
Gene No.	3108	Strand	-
Start	1165	End	7882
Name	OJ990913_15.9B12.C6.o2.tw	Method	TBLASTX:Wheat
Start	2637	End	3328
GI	none	Score	61
Exons	2637..2681, 2638..2682, 2785..2895, 2786..2893, 2787..2966, 2987..3043, 2989..3075, 3158..3328, 3164..3328		

Seq. No.	1490	Seq. ID	OJ990913_15.9B12.C6
Gene No.	3108	Strand	-
Start	1165	End	7882
Name	OJ990913_15.9B12.C6.o2.tm	Method	TBLASTX:Maize
Start	3155	End	3325
GI	none	Score	172
Exons	3155..3325, 3164..3322		

Seq. No.	1490	Seq. ID	OJ990913_15.9B12.C6
Gene No.	3108	Strand	-
Start	1165	End	7882
Name	OJ990913_15.9B12.C6.o3.tm	Method	TBLASTX:Maize
Start	4869	End	5559
GI	none	Score	82
Exons	4869..4922, 4870..4923, 4920..4982, 4921..4983, 5380..5559, 5385..5558		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
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Gene No.	3109	Strand	+
Start	1152	End	4639
Name	OJ990913_15.9B12.C7.o1.gs	Method	GENSCAN
Start	1152	End	4639
GI	none	Score	.74
Exons	1152..1209, 1329..1811, 1941..2168, 2415..2692, 3408..3545, 4020..4143, 4551..4639		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3109	Strand	+
Start	1152	End	4639
Name	OJ990913_15.9B12.C7.o1.np	Method	AAT/NAP
Start	1523	End	2590
GI	6539555	Score	1326
Exons	1523..2200, 2279..2590		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi 6539592 dbj BAA88208.1 (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3110	Strand	+
Start	5008	End	5136
Name	OJ990913_15.9B12.C7.o2.gs	Method	GENSCAN
Start	5008	End	5136
GI	none	Score	.89
Exons	5008..5136		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o7.tm	Method	TBLASTX:Maize
Start	1496	End	1798
GI	none	Score	197
Exons	1496..1798, 1603..1785		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o7.tw	Method	TBLASTX:Wheat
Start	2366	End	2658
GI	none	Score	213
Exons	2366..2641, 2380..2658		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o6.tm	Method	TBLASTX:Maize
Start	6322	End	6566
GI	none	Score	41
Exons	6322..6384, 6354..6566, 6445..6534		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o3.gs	Method	GENSCAN
Start	6327	End	9197
GI	none	Score	.99

Exons 6327..9197

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o2.np	Method	AAT/NAP
Start	6330	End	9342
GI	4680179	Score	4826
Exons	6330..9342		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o6.tw	Method	TBLASTX:Wheat
Start	6375	End	6708
GI	none	Score	104
Exons	6375..6707, 6439..6708		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o1.tm	Method	TBLASTX:Maize
Start	6567	End	7154
GI	none	Score	146
Exons	6567..6836, 6568..6828, 6583..6879, 6897..6995, 6898..6993, 6927..6995, 6993..7154, 7000..7146, 7002..7148		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o1.tw	Method	TBLASTX:Wheat
Start	6708	End	7334
GI	none	Score	354
Exons	6708..7334, 6709..7278		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o3.tm	Method	TBLASTX:Maize
Start	7203	End	7495
GI	none	Score	156
Exons	7203..7493, 7207..7392, 7212..7424, 7304..7495		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o2.ts	Method	TBLASTX:Soybean
Start	7293	End	7553
GI	none	Score	48
Exons	7293..7361, 7293..7553, 7447..7548		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o1.tc	Method	TBLASTX:Cress
Start	7317	End	7643

GI	none	Score	64
Exons	7317..7460, 7318..7395, 7461..7643		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o3.tw	Method	TBLASTX:Wheat
Start	7341	End	7820
GI	none	Score	219
Exons	7341..7820, 7342..7725, 7347..7802		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o2.tw	Method	TBLASTX:Wheat
Start	7824	End	8333
GI	none	Score	305
Exons	7824..8333, 7915..8301		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o2.tm	Method	TBLASTX:Maize
Start	7908	End	8261
GI	none	Score	137
Exons	7908..8261, 7923..8219, 7993..8259		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o3.ts	Method	TBLASTX:Soybean
Start	8082	End	8324
GI	none	Score	197
Exons	8082..8324		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o5.tm	Method	TBLASTX:Maize
Start	8262	End	8615
GI	none	Score	117
Exons	8262..8615, 8344..8604		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o5.tw	Method	TBLASTX:Wheat
Start	8334	End	8636
GI	none	Score	201
Exons	8334..8636, 8335..8598		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o1.ts	Method	TBLASTX:Soybean
Start	8340	End	8744
GI	none	Score	156

Exons 8340..8705, 8349..8708, 8712..8744, 8712..8744

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o4.tm	Method	TBLASTX:Maize
Start	8631	End	9102
GI	none	Score	92
Exons	8631..9098, 8664..9011, 8857..9102		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o4.tw	Method	TBLASTX:Wheat
Start	8685	End	9171
GI	none	Score	215
Exons	8685..9167, 8727..9167, 8728..9171		

Seq. No.	1491	Seq. ID	OJ990913_15.9B12.C7
Gene No.	3111	Strand	-
Start	6327	End	9342
Name	OJ990913_15.9B12.C7.o4.ts	Method	TBLASTX:Soybean
Start	8817	End	9098
GI	none	Score	66
Exons	8817..9098, 8818..9015		

Seq. No.	1492	Seq. ID	OJ990913_15.9B12.C8
Gene No.	3112	Strand	-
Start	1	End	1243
Name	OJ990913_15.9B12.C8.o1.np	Method	AAT/NAP
Start	1	End	1243
GI	6721517	Score	662
Exons	1..303, 352..581, 1214..1243		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	1492	Seq. ID	OJ990913_15.9B12.C8
Gene No.	3112	Strand	-
Start	1	End	1243
Name	OJ990913_15.9B12.C8.o1.tw	Method	TBLASTX:Wheat
Start	142	End	378
GI	none	Score	74
Exons	142..306, 164..259, 313..378		

Seq. No.	1493	Seq. ID	OJ990913_15.9B12.C9
Gene No.	3113	Strand	+
Start	5502	End	5795
Name	OJ990913_15.9B12.C9.o2.gs	Method	GENSCAN
Start	5502	End	5795
GI	none	Score	.96
Exons	5502..5795		

Seq. No.	1493	Seq. ID	OJ990913_15.9B12.C9
Gene No.	3114	Strand	+
Start	10614	End	10907
Name	OJ990913_15.9B12.C9.o4.gs	Method	GENSCAN
Start	10614	End	10907
GI	none	Score	1

Exons 10614..10907

Seq. No.	1493	Seq. ID	OJ990913_15.9B12.C9
Gene No.	3115	Strand	+
Start	14092	End	16506
Name	OJ990913_15.9B12.C9.o6.gs	Method	GENSCAN
Start	14092	End	16506
GI	none	Score	.67
Exons	14092..14237, 14277..14421, 16291..16506		

Seq. No.	1493	Seq. ID	OJ990913_15.9B12.C9
Gene No.	3116	Strand	+
Start	21386	End	22294
Name	OJ990913_15.9B12.C9.o1.gp	Method	AAT/GAP
Start	21386	End	22294
GI	16071_1.R1084	Score	1727
Exons	21386..22294		
GI Descrip.	'2506825/sp P29114 LOX1_HORVU 1.0e-119 LIPOXYGENASE 1 >gi_532572 (L35931) lipoxygenase 1 [Hordeum vulgare] >gi_1094924_prf__2107185A lipoxygenase [Hordeum vulgare]'		

Seq. No.	1493	Seq. ID	OJ990913_15.9B12.C9
Gene No.	3117	Strand	-
Start	12531	End	13414
Name	OJ990913_15.9B12.C9.o5.gs	Method	GENSCAN
Start	12531	End	13414
GI	none	Score	.87
Exons	12531..12921, 13284..13414		

Seq. No.	1493	Seq. ID	OJ990913_15.9B12.C9
Gene No.	3118	Strand	-
Start	20464	End	20961
Name	OJ990913_15.9B12.C9.o8.gs	Method	GENSCAN
Start	20464	End	20961
GI	none	Score	1
Exons	20464..20961		

Seq. No.	1493	Seq. ID	OJ990913_15.9B12.C9
Gene No.	3119	Strand	-
Start	21515	End	24187
Name	OJ990913_15.9B12.C9.o2.tw	Method	TBLASTX:Wheat
Start	14017	End	23658
GI	none	Score	64
Exons	14017..14058, 22974..23021, 22974..23021, 23111..23215, 23111..23218, 23112..23237, 23313..23396, 23315..23401, 23315..23410, 23487..23651, 23487..23651, 23488..23658		

Seq. No.	1493	Seq. ID	OJ990913_15.9B12.C9
Gene No.	3119	Strand	-
Start	21515	End	24187
Name	OJ990913_15.9B12.C9.o3.tw	Method	TBLASTX:Wheat
Start	20722	End	22132
GI	none	Score	330
Exons	20722..20787, 21863..22129, 21894..22130, 21899..22132		

Seq. No.	1493	Seq. ID	OJ990913_15.9B12.C9
Gene No.	3119	Strand	-

Start	21515	End	24187
Name	OJ990913_15.9B12.C9.ol.tm	Method	TBLASTX:Maize
Start	21491	End	24145
GI	none	Score	86
Exons	21491..21589, 21587..21748, 21737..21769, 21886..22185, 21889..22119, 21890..22270, 21896..22288, 21897..22289, 22367..22480, 22368..22481, 22481..22630, 22482..22631, 22498..22632, 22710..22775, 22818..22880, 22843..22896, 22941..23021, 22947..23003, 23082..23216, 23111..23218, 23315..23422, 23316..23423, 23760..23822, 23939..23995, 24011..24091, 24086..24145		

Seq. No.	1493	Seq. ID	OJ990913_15.9B12.C9
Gene No.	3119	Strand	-
Start	21515	End	24187
Name	OJ990913_15.9B12.C9.ol.tc	Method	TBLASTX:Cress
Start	21512	End	24178
GI	none	Score	109
Exons	21512..21556, 21581..22288, 21582..21842, 21899..22231, 21915..22289, 22411..22527, 22412..22630, 22413..22625, 22710..22775, 22710..22793, 22711..22794, 22781..22855, 22782..22928, 22804..22935, 22944..23021, 23085..23219, 23102..23221, 23111..23218, 23313..23390, 23318..23410, 23345..23401, 23476..23778, 23487..23783, 23622..23780, 23781..23822, 23924..24004, 24005..24079, 24089..24178		

Seq. No.	1493	Seq. ID	OJ990913_15.9B12.C9
Gene No.	3119	Strand	-
Start	21515	End	24187
Name	OJ990913_15.9B12.C9.o9.gs	Method	GENSCAN
Start	21515	End	24142
GI	none	Score	.98
Exons	21515..22286, 22368..22631, 22711..23018, 23111..23218, 23315..23400, 23486..23821, 23923..24142		

Seq. No.	1493	Seq. ID	OJ990913_15.9B12.C9
Gene No.	3119	Strand	-
Start	21515	End	24187
Name	OJ990913_15.9B12.C9.ol.np	Method	AAT/NAP
Start	21518	End	24187
GI	2506825	Score	2761
Exons	21518..22286, 22368..22631, 22711..23018, 23111..23218, 23315..23400, 23486..23821, 23923..24187		
GI Descrip.	LIPOXYGENASE 1 gi 532572 (L35931) lipoxxygenase 1 [Hordeum vulgare] gi 1094924 prf 2107185A lipoxxygenase [Hordeum vulgare]		

Seq. No.	1493	Seq. ID	OJ990913_15.9B12.C9
Gene No.	3119	Strand	-
Start	21515	End	24187
Name	OJ990913_15.9B12.C9.ol.ts	Method	TBLASTX:Soybean
Start	21575	End	24178
GI	none	Score	381
Exons	21575..22288, 21588..22289, 22367..22630, 22368..22631, 22373..22633, 22710..22913, 22710..22925, 22711..22926, 22944..23021, 22965..23021, 23102..23236, 23118..23234, 23313..23390, 23318..23410, 23487..23579, 23598..23675, 23667..23783, 23802..23822, 23924..24007, 24008..24085,		

24086..24178

Seq. No.	1493	Seq. ID	OJ990913_15.9B12.C9
Gene No.	3119	Strand	-
Start	21515	End	24187
Name	OJ990913_15.9B12.C9.o1.tw	Method	TBLASTX:Wheat
Start	22410	End	22878
GI	none	Score	225
Exons	22410..22631, 22412..22633, 22412..22630, 22694..22780, 22709..22792, 22710..22799, 22711..22788, 22786..22878, 22791..22877		

Seq. No.	1493	Seq. ID	OJ990913_15.9B12.C9
Gene No.	3119	Strand	-
Start	21515	End	24187
Name	OJ990913_15.9B12.C9.o2.tm	Method	TBLASTX:Maize
Start	23486	End	23649
GI	none	Score	65
Exons	23486..23641, 23487..23645, 23487..23648, 23488..23649		

Seq. No.	1494	Seq. ID	OJ990913_15.9B12.C10
Gene No.	3120	Strand	+
Start	1	End	7803
Name	OJ990913_15.9B12.C10.o2.np	Method	AAT/NAP
Start	1	End	7803
GI	1718118	Score	25
Exons	1..43, 3838..4040, 5517..5781, 7773..7803		
GI Descrip.	REGULATORY PROTEIN E2 gi 1020166 (U31778) regulatory protein E2 [Human papillomavirus type 20]		

Seq. No.	1494	Seq. ID	OJ990913_15.9B12.C10
Gene No.	3120	Strand	+
Start	1	End	7803
Name	OJ990913_15.9B12.C10.o3.gs	Method	GENSCAN
Start	5476	End	5964
GI	none	Score	.67

Seq. No.	1494	Seq. ID	OJ990913_15.9B12.C10
Gene No.	3121	Strand	-
Start	1	End	625
Name	OJ990913_15.9B12.C10.o1.np	Method	AAT/NAP
Start	1	End	625
GI	126401	Score	385
Exons	1..260, 439..625 ENASE L-2 gi 100690 pir S23454 lipxygenase (EC .12) L-2 - rice gi 20267 emb CAA45738 (X64396) Lipxygenase [Oryza sativa]		

Seq. No.	1494	Seq. ID	OJ990913_15.9B12.C10
Gene No.	3121	Strand	-
Start	1	End	625
Name	OJ990913_15.9B12.C10.o1.gs	Method	GENSCAN
Start	10	End	625
GI	none	Score	.7
Exons	10..260, 439..625		

Seq. No.	1494	Seq. ID	OJ990913_15.9B12.C10
Gene No.	3122	Strand	-
Start	1326	End	4062
Name	OJ990913_15.9B12.C10.o2.gs	Method	GENSCAN
Start	1326	End	4058
GI	none	Score	.49
Exons	1326..1464, 2607..2953, 3765..4058		

Seq. No.	1494	Seq. ID	OJ990913_15.9B12.C10
Gene No.	3122	Strand	-
Start	1326	End	4062
Name	OJ990913_15.9B12.C10.o2.tm	Method	TBLASTX:Maize
Start	2697	End	2911
GI	none	Score	137
Exons	2697..2855, 2697..2906, 2699..2911, 2719..2874, 2777..2908		

Seq. No.	1494	Seq. ID	OJ990913_15.9B12.C10
Gene No.	3122	Strand	-
Start	1326	End	4062
Name	OJ990913_15.9B12.C10.o1.tc	Method	TBLASTX:Cress
Start	2858	End	4028
GI	none	Score	69
Exons	2858..2956, 2901..2954, 3753..4028, 3775..3990		

Seq. No.	1494	Seq. ID	OJ990913_15.9B12.C10
Gene No.	3122	Strand	-
Start	1326	End	4062
Name	OJ990913_15.9B12.C10.o1.tm	Method	TBLASTX:Maize
Start	2912	End	4062
GI	none	Score	73
Exons	2912..2956, 2913..2969, 3753..4034, 3762..3815, 3763..4062		

Seq. No.	1495	Seq. ID	OJ990913_15.9B12.C11
Gene No.	3123	Strand	+
Start	99	End	1342
Name	OJ990913_15.9B12.C11.o1.gp	Method	AAT/GAP
Start	99	End	1230
GI	26021_1.R1084	Score	743
Exons	99..276, 355..445, 1074..1230		
GI Descrip.	'4587562/gb AAD25793.1 AC006550_1 4.0e-60 (AC006550) Belongs to PF_00583 Acetyltransferase (GNAT) family. [Arabidopsis thaliana]'		

Seq. No.	1495	Seq. ID	OJ990913_15.9B12.C11
Gene No.	3123	Strand	+
Start	99	End	1342
Name	OJ990913_15.9B12.C11.o1.tc	Method	TBLASTX:Cress
Start	198	End	1207
GI	none	Score	121
Exons	198..275, 199..276, 277..453, 355..444, 1073..1207, 1075..1206		

Seq. No.	1495	Seq. ID	OJ990913_15.9B12.C11
Gene No.	3123	Strand	+
Start	99	End	1342
Name	OJ990913_15.9B12.C11.o1.ts	Method	TBLASTX:Soybean
Start	198	End	447
GI	none	Score	132

Exons 198..278, 199..279, 346..447, 355..447

Seq. No.	1495	Seq. ID	OJ990913_15.9B12.C11
Gene No.	3123	Strand	+
Start	99	End	1342
Name	OJ990913_15.9B12.C11.o1.tm	Method	TBLASTX:Maize
Start	198	End	449
GI	none	Score	121
Exons	198..275, 199..276, 355..444, 357..449		

Seq. No.	1495	Seq. ID	OJ990913_15.9B12.C11
Gene No.	3123	Strand	+
Start	99	End	1342
Name	OJ990913_15.9B12.C11.o1.np	Method	AAT/NAP
Start	199	End	1342
GI	4587562	Score	381
Exons	199..276, 355..445, 1074..1206, 1326..1342		
GI Descrip.	(AC006550) Belongs to PF 00583 Acetyltransferase (GNAT) family. [Arabidopsis thaliana]		

Seq. No.	1495	Seq. ID	OJ990913_15.9B12.C11
Gene No.	3123	Strand	+
Start	99	End	1342
Name	OJ990913_15.9B12.C11.o1.gs	Method	GENSCAN
Start	199	End	1206
GI	none	Score	.91
Exons	199..276, 355..445, 1074..1206		

Seq. No.	1495	Seq. ID	OJ990913_15.9B12.C11
Gene No.	3123	Strand	+
Start	99	End	1342
Name	OJ990913_15.9B12.C11.o2.ts	Method	TBLASTX:Soybean
Start	1073	End	1207
GI	none	Score	199
Exons	1073..1207, 1074..1202, 1075..1206		

Seq. No.	1496	Seq. ID	OJ990913_15.9B12.C12
Gene No.	3124	Strand	+
Start	682	End	1257
Name	OJ990913_15.9B12.C12.o1.gp	Method	AAT/GAP
Start	682	End	1070
GI	26021_1.R1084	Score	207
Exons	682..751, 1010..1070		
GI Descrip.	'4587562/gb AAD25793.1 AC006550_1 4.0e-60 (AC006550) Belongs to PF_00583 Acetyltransferase (GNAT) family. [Arabidopsis thaliana]'		

Seq. No.	1496	Seq. ID	OJ990913_15.9B12.C12
Gene No.	3124	Strand	+
Start	682	End	1257
Name	OJ990913_15.9B12.C12.o1.gs	Method	GENSCAN
Start	682	End	1257
GI	none	Score	.96
Exons	682..751, 1010..1070, 1166..1257		

Seq. No.	1496	Seq. ID	OJ990913_15.9B12.C12
Gene No.	3124	Strand	+

Start	682	End	1257
Name	OJ990913_15.9B12.C12.o1.np	Method	AAT/NAP
Start	682	End	1254
GI	4587562	Score	233
Exons	682..894, 996..1070, 1166..1254		
GI Descrip.	(AC006550) Belongs to PF 00583 Acetyltransferase (GNAT) family. [Arabidopsis thaliana]		

Seq. No.	1496	Seq. ID	OJ990913_15.9B12.C12
Gene No.	3125	Strand	+
Start	14345	End	14989
Name	OJ990913_15.9B12.C12.o4.gs	Method	GENSCAN
Start	14345	End	14989
GI	none	Score	.67
Exons	14345..14557, 14690..14848, 14850..14989		

Seq. No.	1496	Seq. ID	OJ990913_15.9B12.C12
Gene No.	3126	Strand	-
Start	2135	End	12382
Name	OJ990913_15.9B12.C12.o1.tm	Method	TBLASTX:Maize
Start	2066	End	5154
GI	none	Score	197
Exons	2066..2305, 2134..2328, 2136..2312, 2440..2757, 2442..2756, 2558..2758, 2796..3527, 2832..3029, 2833..3528, 2834..3541, 2863..3534, 3227..3535, 5023..5133, 5026..5154, 5027..5146		

Seq. No.	1496	Seq. ID	OJ990913_15.9B12.C12
Gene No.	3126	Strand	-
Start	2135	End	12382
Name	OJ990913_15.9B12.C12.o1.tc	Method	TBLASTX:Cress
Start	2135	End	5152
GI	none	Score	186
Exons	2135..2305, 2136..2330, 2437..2757, 2442..2756, 2587..2760, 2796..3527, 2826..3032, 2833..3552, 3160..3534, 3335..3553, 5026..5151, 5027..5152		

Seq. No.	1496	Seq. ID	OJ990913_15.9B12.C12
Gene No.	3126	Strand	-
Start	2135	End	12382
Name	OJ990913_15.9B12.C12.o2.gs	Method	GENSCAN
Start	2135	End	5325
GI	none	Score	.55
Exons	2135..2305, 2445..2756, 2835..3454, 4618..4645, 5032..5325		

Seq. No.	1496	Seq. ID	OJ990913_15.9B12.C12
Gene No.	3126	Strand	-
Start	2135	End	12382
Name	OJ990913_15.9B12.C12.o2.np	Method	AAT/NAP
Start	2138	End	5298
GI	6685803	Score	1849
Exons	2138..2305, 2445..2756, 2835..3527, 5032..5298		
GI Descrip.	ADENYLOSUCCINATE SYNTHETASE PRECURSOR (IMP--ASPARTATE LIGASE) (ADSS) (AMPSASE) gi 1616659 (U49387) adenylosuccinate synthetase [Triticum aestivum]		

Seq. No.	1496	Seq. ID	OJ990913_15.9B12.C12
Gene No.	3126	Strand	-

Start	2135	End	12382
Name	OJ990913_15.9B12.C12.o1.ts	Method	TBLASTX:Soybean
Start	2499	End	5149
GI	none	Score	87
Exons	2499..2642, 2511..2642, 2521..2643, 2554..2646, 2643..2756, 2644..2757, 2796..3527, 2826..3029, 2833..3087, 3160..3528, 3160..3534, 3263..3535, 3263..3553, 5026..5148, 5027..5149		

Seq. No.	1496	Seq. ID	OJ990913_15.9B12.C12
Gene No.	3126	Strand	-
Start	2135	End	12382
Name	OJ990913_15.9B12.C12.o2.gp	Method	AAT/GAP
Start	2868	End	3277
GI	uC-osflcyp097c03b1	Score	755
Exons	2868..3277		
GI Descrip.	'1616659 3.0e-46 (U49387) adenylosuccinate synthetase [Triticum aestivum]'		

Seq. No.	1496	Seq. ID	OJ990913_15.9B12.C12
Gene No.	3126	Strand	-
Start	2135	End	12382
Name	OJ990913_15.9B12.C12.o4.np	Method	AAT/NAP
Start	4420	End	11293
GI	2194203	Score	597
Exons	4420..4439, 6951..7008, 7549..7670, 7886..7993, 8105..8147, 8241..8432, 8525..8618, 9185..9295, 9400..9484, 9701..9826, 9908..10027, 10745..10873, 11190..11293		
GI Descrip.	(U78310) pescadillo [Homo sapiens] gi 5739569 gb AAD50516.1 AC005006_1 (AC005006) pescadillo [Homo sapiens]		

Seq. No.	1496	Seq. ID	OJ990913_15.9B12.C12
Gene No.	3126	Strand	-
Start	2135	End	12382
Name	OJ990913_15.9B12.C12.o3.gp	Method	AAT/GAP
Start	5905	End	6634
GI	24113_1.R1084	Score	992
Exons	5905..6242, 6457..6634		
GI Descrip.	'5803242/dbj AP000399.1 AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	1496	Seq. ID	OJ990913_15.9B12.C12
Gene No.	3126	Strand	-
Start	2135	End	12382
Name	OJ990913_15.9B12.C12.o3.gs	Method	GENSCAN
Start	6153	End	12382
GI	none	Score	.97
Exons	6153..6242, 6457..6684, 6798..7008, 7549..7670, 7886..7993, 8105..8385, 8525..8618, 9185..9295, 9400..9484, 9701..9826, 9908..10027, 10745..10873, 11190..11275, 11372..11423, 11558..11636, 12220..12382		

Seq. No.	1496	Seq. ID	OJ990913_15.9B12.C12
Gene No.	3126	Strand	-
Start	2135	End	12382
Name	OJ990913_15.9B12.C12.o3.np	Method	AAT/NAP
Start	6159	End	6857

GI 3551251 Score 118
 Exons 6159..6242, 6457..6684, 6798..6857
 GI Descrip. (AB012705) 85 [Daucus carota]

Seq. No. 1496 Seq. ID OJ990913_15.9B12.C12
 Gene No. 3126 Strand -
 Start 2135 End 12382
 Name OJ990913_15.9B12.C12.o2.tm Method TBLASTX:Maize
 Start 6451 End 11275
 GI none Score 68
 Exons 6451..6549, 6454..6558, 6471..6557, 6520..6687, 6620..6688,
 6641..6688, 6792..7019, 6795..7010, 7523..7672, 7530..7673,
 7549..7701, 7555..7683, 7879..7995, 7883..7996, 7886..8005,
 7938..8006, 8081..8335, 8102..8317, 8351..8395, 8352..8387,
 8516..8638, 8526..8642, 8530..8619, 9167..9304, 9186..9296,
 9391..9486, 9400..9486, 9401..9490, 9553..9633, 9699..9824,
 9699..9824, 9700..9828, 9701..9829, 9767..9829, 9883..10071,
 9904..10044, 10740..10874, 10741..10875, 10744..10875,
 10745..10879, 11175..11246, 11189..11275

Seq. No. 1496 Seq. ID OJ990913_15.9B12.C12
 Gene No. 3126 Strand -
 Start 2135 End 12382
 Name OJ990913_15.9B12.C12.o3.tw Method TBLASTX:Wheat
 Start 6481 End 7011
 GI none Score 51
 Exons 6481..6561, 6501..6533, 6508..6687, 6620..6685, 6818..6889,
 6819..7010, 6828..7010, 6880..7011, 6937..7011

Seq. No. 1496 Seq. ID OJ990913_15.9B12.C12
 Gene No. 3126 Strand -
 Start 2135 End 12382
 Name OJ990913_15.9B12.C12.o2.ts Method TBLASTX:Soybean
 Start 6795 End 9515
 GI none Score 96
 Exons 6795..6875, 6861..7001, 6861..6959, 6907..6966, 6960..7010,
 6961..7020, 7512..7655, 7534..7644, 7883..7996, 7941..7994,
 8057..8314, 8102..8266, 8526..8642, 8530..8613, 9137..9298,
 9167..9304, 9391..9483, 9400..9483, 9404..9484, 9408..9515

Seq. No. 1496 Seq. ID OJ990913_15.9B12.C12
 Gene No. 3126 Strand -
 Start 2135 End 12382
 Name OJ990913_15.9B12.C12.o2.tc Method TBLASTX:Cress
 Start 6879 End 8149
 GI none Score 82
 Exons 6879..6998, 6879..7010, 6880..7020, 6886..7011, 7530..7670,
 7534..7671, 7554..7682, 7883..7996, 8057..8149

Seq. No. 1496 Seq. ID OJ990913_15.9B12.C12
 Gene No. 3126 Strand -
 Start 2135 End 12382
 Name OJ990913_15.9B12.C12.o4.gp Method AAT/GAP
 Start 7866 End 8391
 GI uC-osflcyp030g01b1 Score 736
 Exons 7866..7993, 8105..8391
 GI Descrip. '2194203 2.0e-13 (U78310) pescadillo [Homo sapiens]

>gi_5739569_gb_AAD50516.1_AC005006_1 (AC005006) pescadillo [Homo sapiens]'

Seq. No.	1496	Seq. ID	OJ990913_15.9B12.C12
Gene No.	3126	Strand	-
Start	2135	End	12382
Name	OJ990913_15.9B12.C12.o1.tw	Method	TBLASTX:Wheat
Start	7907	End	8395
GI	none	Score	85
Exons	7907..7996, 7907..7996, 7938..8006, 8081..8395, 8104..8154, 8105..8386		

Seq. No.	1496	Seq. ID	OJ990913_15.9B12.C12
Gene No.	3126	Strand	-
Start	2135	End	12382
Name	OJ990913_15.9B12.C12.o5.gp	Method	AAT/GAP
Start	9388	End	11449
GI	42478_1.R1084	Score	1127
Exons	9388..9483, 9701..9826, 9908..10027, 10745..10873, 11190..11275, 11372..11449		
GI Descrip.	'3080524/emb CAA18653 7.0e-39 (AL022599) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	1496	Seq. ID	OJ990913_15.9B12.C12
Gene No.	3126	Strand	-
Start	2135	End	12382
Name	OJ990913_15.9B12.C12.o3.tc	Method	TBLASTX:Cress
Start	10744	End	11275
GI	none	Score	131
Exons	10744..10869, 10745..10870, 10745..10885, 11189..11275		

Seq. No.	1496	Seq. ID	OJ990913_15.9B12.C12
Gene No.	3127	Strand	-
Start	15098	End	15534
Name	OJ990913_15.9B12.C12.o2.tw	Method	TBLASTX:Wheat
Start	15098	End	15534
GI	none	Score	51
Exons	15098..15136, 15102..15134, 15105..15140, 15257..15352, 15258..15353, 15260..15388, 15434..15529, 15450..15530, 15450..15533, 15457..15534		

Seq. No.	1497	Seq. ID	OJ990913_15.9B12.C13
Gene No.	3128	Strand	+
Start	595	End	915
Name	OJ990913_15.9B12.C13.o1.np	Method	AAT/NAP
Start	595	End	915
GI	5231113	Score	211
Exons	595..915		
GI Descrip.	(AF141202) EIN2 [Arabidopsis thaliana] gi 5231115 gb AAD41077.1 AF141203_1 (AF141203) EIN2 [Arabidopsis thaliana]		

Seq. No.	1497	Seq. ID	OJ990913_15.9B12.C13
Gene No.	3129	Strand	-
Start	654	End	1016
Name	OJ990913_15.9B12.C13.o1.ts	Method	TBLASTX:Soybean
Start	592	End	849

GI	none	Score	77
Exons	592..657, 595..657, 652..849, 669..848		
Seq. No.	1497	Seq. ID	OJ990913_15.9B12.C13
Gene No.	3129	Strand	-
Start	654	End	1016
Name	OJ990913_15.9B12.C13.o1.tc	Method	TBLASTX:Cress
Start	652	End	849
GI	none	Score	247
Exons	652..849, 663..848		
Seq. No.	1497	Seq. ID	OJ990913_15.9B12.C13
Gene No.	3129	Strand	-
Start	654	End	1016
Name	OJ990913_15.9B12.C13.o1.gs	Method	GENSCAN
Start	654	End	1016
GI	none	Score	.81
Exons	654..1016		
Seq. No.	1498	Seq. ID	OJ990913_15.9B12.C14
Gene No.	3130	Strand	+
Start	1348	End	1473
Name	OJ990913_15.9B12.C14.o1.np	Method	AAT/NAP
Start	1348	End	1473
GI	6815099	Score	71
Exons	1348..1473		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	1498	Seq. ID	OJ990913_15.9B12.C14
Gene No.	3131	Strand	-
Start	558	End	889
Name	OJ990913_15.9B12.C14.o1.gs	Method	GENSCAN
Start	558	End	889
GI	none	Score	.52
Exons	558..641, 836..889		
Seq. No.	1499	Seq. ID	OJ990913_15.9B12.C15
Gene No.	3132	Strand	+
Start	184	End	3801
Name	OJ990913_15.9B12.C15.o1.np	Method	AAT/NAP
Start	184	End	3801
GI	4504909	Score	808
Exons	184..1575, 2343..2469, 2533..2598, 2673..2837, 3007..3081, 3165..3353, 3601..3801		
GI Descrip.	karyopherin (importin) beta 3 gi 2102696 (U72761) karyopherin beta 3 [Homo sapiens]		
Seq. No.	1499	Seq. ID	OJ990913_15.9B12.C15
Gene No.	3132	Strand	+
Start	184	End	3801
Name	OJ990913_15.9B12.C15.o4.tm	Method	TBLASTX:Maize
Start	766	End	1002
GI	none	Score	188
Exons	766..954, 769..930, 933..989, 934..1002		
Seq. No.	1499	Seq. ID	OJ990913_15.9B12.C15
Gene No.	3132	Strand	+

Start	184	End	3801
Name	OJ990913_15.9B12.C15.o1.tc	Method	TBLASTX:Cress
Start	895	End	1152
GI	none	Score	328
Exons	895..1152, 927..1115		

Seq. No.	1499	Seq. ID	OJ990913_15.9B12.C15
Gene No.	3132	Strand	+
Start	184	End	3801
Name	OJ990913_15.9B12.C15.o1.tm	Method	TBLASTX:Maize
Start	1173	End	1475
GI	none	Score	468
Exons	1173..1475, 1174..1473, 1194..1475		

Seq. No.	1499	Seq. ID	OJ990913_15.9B12.C15
Gene No.	3132	Strand	+
Start	184	End	3801
Name	OJ990913_15.9B12.C15.o1.ts	Method	TBLASTX:Soybean
Start	1416	End	2807
GI	none	Score	86
Exons	1416..1577, 1416..1577, 1417..1578, 1448..1606, 1448..1594, 2291..2434, 2334..2447, 2337..2447, 2341..2448, 2454..2594, 2520..2591, 2670..2807, 2670..2804, 2672..2806		

Seq. No.	1499	Seq. ID	OJ990913_15.9B12.C15
Gene No.	3132	Strand	+
Start	184	End	3801
Name	OJ990913_15.9B12.C15.o1.gp	Method	AAT/GAP
Start	1508	End	3683
GI	39325_1.R1084	Score	1308
Exons	1508..1575, 2343..2447, 2533..2598, 2673..2837, 3007..3081, 3165..3319, 3570..3683		
GI Descrip.	'4504909/ref NP_002262.1 pKPNB3 2.0e-49 karyopherin (importin) beta 3 >gi_2102696 (U72761) karyopherin beta 3 [Homo sapiens]'		

Seq. No.	1499	Seq. ID	OJ990913_15.9B12.C15
Gene No.	3132	Strand	+
Start	184	End	3801
Name	OJ990913_15.9B12.C15.o2.tc	Method	TBLASTX:Cress
Start	2542	End	3338
GI	none	Score	47
Exons	2542..2571, 2544..2582, 2544..2594, 2677..2838, 2678..2842, 2679..2837, 2999..3085, 3001..3075, 3006..3092, 3007..3096, 3155..3280, 3162..3314, 3165..3338		

Seq. No.	1499	Seq. ID	OJ990913_15.9B12.C15
Gene No.	3132	Strand	+
Start	184	End	3801
Name	OJ990913_15.9B12.C15.o2.tm	Method	TBLASTX:Maize
Start	2705	End	3338
GI	none	Score	188
Exons	2705..2842, 2706..2837, 2719..2841, 2724..2843, 2999..3085, 3004..3081, 3006..3092, 3007..3096, 3151..3219, 3155..3280, 3156..3317, 3163..3318, 3165..3338		

Seq. No.	1499	Seq. ID	OJ990913_15.9B12.C15
Gene No.	3132	Strand	+

Start	184	End	3801
Name	OJ990913_15.9B12.C15.o2.ts	Method	TBLASTX:Soybean
Start	2993	End	3317
GI	none	Score	62
Exons	2993..3085, 3004..3075, 3006..3092, 3007..3096, 3155..3280, 3165..3317		

Seq. No.	1499	Seq. ID	OJ990913_15.9B12.C15
Gene No.	3132	Strand	+
Start	184	End	3801
Name	OJ990913_15.9B12.C15.o3.tc	Method	TBLASTX:Cress
Start	3567	End	3719
GI	none	Score	235
Exons	3567..3719, 3568..3708		

Seq. No.	1499	Seq. ID	OJ990913_15.9B12.C15
Gene No.	3132	Strand	+
Start	184	End	3801
Name	OJ990913_15.9B12.C15.o3.ts	Method	TBLASTX:Soybean
Start	3567	End	3709
GI	none	Score	226
Exons	3567..3704, 3568..3702, 3568..3708, 3576..3704, 3626..3709		

Seq. No.	1499	Seq. ID	OJ990913_15.9B12.C15
Gene No.	3132	Strand	+
Start	184	End	3801
Name	OJ990913_15.9B12.C15.o3.tm	Method	TBLASTX:Maize
Start	3567	End	3719
GI	none	Score	233
Exons	3567..3719, 3568..3708		

Seq. No.	1500	Seq. ID	OJ990913_15.9B12.C17
Gene No.	3133	Strand	+
Start	13	End	153
Name	OJ990913_15.9B12.C17.o1.gs	Method	GENSCAN
Start	13	End	153
GI	none	Score	.51
Exons	13..153		

Seq. No.	1501	Seq. ID	OJ990913_15.9B12.C18
Gene No.	3134	Strand	+
Start	151	End	257
Name	OJ990913_15.9B12.C18.o1.gs	Method	GENSCAN
Start	151	End	257
GI	none	Score	.79
Exons	151..257		

Seq. No.	1501	Seq. ID	OJ990913_15.9B12.C18
Gene No.	3135	Strand	-
Start	150	End	714
Name	OJ990913_15.9B12.C18.o1.np	Method	AAT/NAP
Start	150	End	714
GI	6907087	Score	150
Exons	150..251, 688..714		
GI Descrip.	(AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No. 1502
 Gene No. 3136
 Start 72
 Name OJ990913_15.9B12.C20.o1.gs
 Start 72
 GI none
 Exons 72..104, 166..306

Seq. ID OJ990913_15.9B12.C20
 Strand +
 End 306
 Method GENSCAN
 End 306
 Score .55

Seq. No. 1503
 Gene No. 3137
 Start 1
 Name OJ990913_15.9B12.C22.o1.np
 Start 1
 GI 6630696
 Exons 1..133

Seq. ID OJ990913_15.9B12.C22
 Strand +
 End 133
 Method AAT/NAP
 End 133
 Score 203

GI Descrip. (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No. 1504
 Gene No. 3138
 Start 1
 Name OJ990913_15.9B12.C23.o1.np
 Start 1
 GI 4680183
 Exons 1..165
 GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. ID OJ990913_15.9B12.C23
 Strand -
 End 165
 Method AAT/NAP
 End 165
 Score 215

Seq. No. 1504
 Gene No. 3138
 Start 1
 Name OJ990913_15.9B12.C23.o1.tm
 Start 2
 GI none
 Exons 2..154, 3..128, 17..136

Seq. ID OJ990913_15.9B12.C23
 Strand -
 End 165
 Method TBLASTX:Maize
 End 154
 Score 130

Seq. No. 1504
 Gene No. 3138
 Start 1
 Name OJ990913_15.9B12.C23.o1.tw
 Start 2
 GI none
 Exons 2..157, 3..158

Seq. ID OJ990913_15.9B12.C23
 Strand -
 End 165
 Method TBLASTX:Wheat
 End 158
 Score 123

Seq. No. 1505
 Gene No. 3139
 Start 361
 Name OJ990913_15.9B12.C27.o1.gs
 Start 361
 GI none
 Exons 361..594

Seq. ID OJ990913_15.9B12.C27
 Strand +
 End 594
 Method GENSCAN
 End 594
 Score .48

Seq. No. 1506
 Gene No. 3140
 Start 154
 Name OJ990913_15.9B12.C28.o1.gs

Seq. ID OJ990913_15.9B12.C28
 Strand +
 End 245
 Method GENSCAN

Start 154
GI none
Exons 154..245

End 245
Score .62

Seq. No. 1507
Gene No. 3141
Start 92
Name OJ990913_15.9B12.C29.o1.gs
Start 92
GI none
Exons 92..256

Seq. ID OJ990913_15.9B12.C29
Strand +
End 256
Method GENSCAN
End 256
Score .6

Seq. No. 1507
Gene No. 3142
Start 294
Name OJ990913_15.9B12.C29.o1.gp
Start 294
GI none
Exons 294..392, 474..552, 678..931

Seq. ID OJ990913_15.9B12.C29
Strand -
End 931
Method AAT/GAP
End 931
Score 788

Seq. No. 1508
Gene No. 3143
Start 159
Name OJ990913_15.9B12.C30.o1.gs
Start 159
GI none
Exons 159..242

Seq. ID OJ990913_15.9B12.C30
Strand +
End 242
Method GENSCAN
End 242
Score .98

Seq. No. 1509
Gene No. 3144
Start 287
Name OJ990913_15.9B12.C31.o1.gs
Start 287
GI none
Exons 287..350

Seq. ID OJ990913_15.9B12.C31
Strand -
End 350
Method GENSCAN
End 350
Score .71

Seq. No. 1510
Gene No. 3145
Start 1
Name OJ990913_15.9B12.C32.o1.gp
Start 1
GI none
Exons 1..152

Seq. ID OJ990913_15.9B12.C32
Strand -
End 152
Method AAT/GAP
End 152
Score 268

Seq. No. 1511
Gene No. 3146
Start 40
Name OJ990913_15.9B12.C33.o1.gs
Start 40
GI none
Exons 40..327

Seq. ID OJ990913_15.9B12.C33
Strand +
End 327
Method GENSCAN
End 327
Score .81

Seq. No. 1512
Gene No. 3147
Start 47
Name OJ990913_15.9B12.C34.o1.gs
Start 47

Seq. ID OJ990913_15.9B12.C34
Strand -
End 250
Method GENSCAN
End 250

GI	none	Score	.73
Exons	47..152, 187..250		
Seq. No.	1513	Seq. ID	OJ990913_15.9B12.C35
Gene No.	3148	Strand	+
Start	1	End	391
Name	OJ990913_15.9B12.C35.o1.gp	Method	AAT/GAP
Start	1	End	391
GI	LIB3475-006-P1-K1-G7	Score	516
Exons	1..222, 323..391		
GI Descrip.	'3063661/gb AAC14280.1 5.0e-36 (AF058391) nucleoside diphosphate kinase Ia [Arabidopsis thaliana]'		

Seq. No.	1514	Seq. ID	OJ990913_15.9B12.C36
Gene No.	3149	Strand	-
Start	357	End	595
Name	OJ990913_15.9B12.C36.o1.gs	Method	GENSCAN
Start	357	End	595
GI	none	Score	.78
Exons	357..417, 458..595		

Seq. No.	1515	Seq. ID	OJ990913_15.9B12.C38
Gene No.	3150	Strand	+
Start	1	End	359
Name	OJ990913_15.9B12.C38.o1.np	Method	AAT/NAP
Start	1	End	359
GI	6721561	Score	132
Exons	1..120, 191..249, 320..359		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1515	Seq. ID	OJ990913_15.9B12.C38
Gene No.	3151	Strand	-
Start	170	End	313
Name	OJ990913_15.9B12.C38.o1.gs	Method	GENSCAN
Start	170	End	313
GI	none	Score	.71
Exons	170..313		

Seq. No.	1516	Seq. ID	OJ990913_15.9B12.C39
Gene No.	3152	Strand	-
Start	582	End	690
Name	OJ990913_15.9B12.C39.o1.gp	Method	AAT/GAP
Start	409	End	690
GI	none	Score	502
Exons	409..690		

Seq. No.	1516	Seq. ID	OJ990913_15.9B12.C39
Gene No.	3152	Strand	-
Start	582	End	690
Name	OJ990913_15.9B12.C39.o1.gs	Method	GENSCAN
Start	582	End	642
GI	none	Score	.51
Exons	582..642		

Seq. No.	1517	Seq. ID	OJ990913_15.9B12.C40
Gene No.	3153	Strand	+
Start	65	End	142
Name	OJ990913_15.9B12.C40.o1.gs	Method	GENSCAN
Start	65	End	142
GI	none	Score	.81
Exons	65..142		

Seq. No.	1518	Seq. ID	OJ990913_15.9B12.C41
Gene No.	3154	Strand	-
Start	466	End	629
Name	OJ990913_15.9B12.C41.o1.gs	Method	GENSCAN
Start	466	End	629
GI	none	Score	.89
Exons	466..518, 623..629		

Seq. No.	1519	Seq. ID	OJ990913_15.9B12.C44
Gene No.	3155	Strand	-
Start	1	End	317
Name	OJ990913_15.9B12.C44.o1.gp	Method	AAT/GAP
Start	1	End	317
GI	uC-osflm202102h06b1	Score	615
Exons	1..317		
GI Descrip.	'1041704 2.0e-19 (U30478) expansin At-EXP5 [Arabidopsis thaliana]'		

Seq. No.	1519	Seq. ID	OJ990913_15.9B12.C44
Gene No.	3155	Strand	-
Start	1	End	317
Name	OJ990913_15.9B12.C44.o1.tm	Method	TBLASTX:Maize
Start	1	End	284
GI	none	Score	82
Exons	1..60, 3..68, 3..59, 24..152, 75..140, 151..195, 165..194, 180..284, 181..279		

Seq. No.	1519	Seq. ID	OJ990913_15.9B12.C44
Gene No.	3155	Strand	-
Start	1	End	317
Name	OJ990913_15.9B12.C44.o1.np	Method	AAT/NAP
Start	1	End	317
GI	1076531	Score	185
Exons	1..317		
GI Descrip.	hypothetical protein, pollen allergen homolog - garden pea gi 2129891 pir S65056 pollen allergen homolog precursor (clone PPA1) - garden pea gi 732905 emb CAA59470 (X85187) homology with pollen allergens [Pisum sativum]		

Seq. No.	1519	Seq. ID	OJ990913_15.9B12.C44
Gene No.	3155	Strand	-
Start	1	End	317
Name	OJ990913_15.9B12.C44.o1.gs	Method	GENSCAN
Start	21	End	281
GI	none	Score	.87
Exons	21..281		

Seq. No.	1519	Seq. ID	OJ990913_15.9B12.C44
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Gene No.	3155	Strand	-
Start	1	End	317
Name	OJ990913_15.9B12.C44.ol.tc	Method	TBLASTX:Cress
Start	24	End	249
GI	none	Score	42
Exons	24..65, 78..161, 168..191, 169..192, 183..248, 184..249		
Seq. No.	1520	Seq. ID	OJ990913_15.9B12.C45
Gene No.	3156	Strand	+
Start	881	End	1075
Name	OJ990913_15.9B12.C45.ol.gs	Method	GENSCAN
Start	881	End	1075
GI	none	Score	.78
Exons	881..1075		
Seq. No.	1521	Seq. ID	OJ990913_15.9B12.C46
Gene No.	3157	Strand	+
Start	1	End	236
Name	OJ990913_15.9B12.C46.ol.np	Method	AAT/NAP
Start	1	End	236
GI	5281022	Score	257
Exons	1..236		
GI Descrip.	(Z97339) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	1521	Seq. ID	OJ990913_15.9B12.C46
Gene No.	3157	Strand	+
Start	1	End	236
Name	OJ990913_15.9B12.C46.ol.tm	Method	TBLASTX:Maize
Start	2	End	206
GI	none	Score	302
Exons	2..97, 3..206, 6..116, 97..138		
Seq. No.	1521	Seq. ID	OJ990913_15.9B12.C46
Gene No.	3157	Strand	+
Start	1	End	236
Name	OJ990913_15.9B12.C46.ol.ts	Method	TBLASTX:Soybean
Start	6	End	212
GI	none	Score	263
Exons	6..212, 8..97		
Seq. No.	1521	Seq. ID	OJ990913_15.9B12.C46
Gene No.	3157	Strand	+
Start	1	End	236
Name	OJ990913_15.9B12.C46.ol.gs	Method	GENSCAN
Start	48	End	206
GI	none	Score	.76
Exons	48..206		
Seq. No.	1522	Seq. ID	OJ990913_15.9B12.C47
Gene No.	3158	Strand	+
Start	512	End	944
Name	OJ990913_15.9B12.C47.ol.gs	Method	GENSCAN
Start	512	End	938
GI	none	Score	.64
Exons	512..556, 678..799, 863..938		
Seq. No.	1522	Seq. ID	OJ990913_15.9B12.C47

Gene No.	3158	Strand	+
Start	512	End	944
Name	OJ990913_15.9B12.C47.o1.np	Method	AAT/NAP
Start	523	End	944
GI	6721512	Score	69
Exons	523..637, 884..944		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	1523	Seq. ID	OJ990913_15.9B12.C49
Gene No.	3159	Strand	-
Start	1	End	208
Name	OJ990913_15.9B12.C49.o1.np	Method	AAT/NAP
Start	1	End	208
GI	6815052	Score	115
Exons	1..208		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	1524	Seq. ID	OJ990913_15.9B12.C50
Gene No.	3160	Strand	-
Start	186	End	647
Name	OJ990913_15.9B12.C50.o1.np	Method	AAT/NAP
Start	186	End	647
GI	5281022	Score	230
Exons	186..300, 373..467, 612..647		
GI Descrip.	(Z97339) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1524	Seq. ID	OJ990913_15.9B12.C50
Gene No.	3160	Strand	-
Start	186	End	647
Name	OJ990913_15.9B12.C50.o1.tc	Method	TBLASTX:Cress
Start	187	End	460
GI	none	Score	130
Exons	187..300, 191..301, 368..460, 373..459		

Seq. No.	1525	Seq. ID	OJ990913_15.9B12.C51
Gene No.	3161	Strand	+
Start	1	End	356
Name	OJ990913_15.9B12.C51.o1.np	Method	AAT/NAP
Start	1	End	356
GI	5902445	Score	341
Exons	1..356		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	1525	Seq. ID	OJ990913_15.9B12.C51
Gene No.	3161	Strand	+
Start	1	End	356
Name	OJ990913_15.9B12.C51.o1.tw	Method	TBLASTX:Wheat
Start	112	End	339
GI	none	Score	211
Exons	112..339, 113..337		

Seq. No.	1525	Seq. ID	OJ990913_15.9B12.C51
Gene No.	3161	Strand	+
Start	1	End	356
Name	OJ990913_15.9B12.C51.o1.gs	Method	GENSCAN
Start	134	End	310
GI	none	Score	.99

Exons 134..310

Seq. No.	1526	Seq. ID	OJ990913_15.9B12.C52
Gene No.	3162	Strand	+
Start	343	End	650
Name	OJ990913_15.9B12.C52.o1.gs	Method	GENSCAN
Start	343	End	650
GI	none	Score	.5
Exons	343..650		

Seq. No.	1527	Seq. ID	OJ990913_15.9B12.C57
Gene No.	3163	Strand	-
Start	304	End	587
Name	OJ990913_15.9B12.C57.o1.np	Method	AAT/NAP
Start	304	End	587
GI	5281022	Score	230
Exons	304..587		
GI Descrip.	(Z97339) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1527	Seq. ID	OJ990913_15.9B12.C57
Gene No.	3163	Strand	-
Start	304	End	587
Name	OJ990913_15.9B12.C57.o1.gs	Method	GENSCAN
Start	308	End	391
GI	none	Score	.71
Exons	308..391		

Seq. No.	1528	Seq. ID	OJ990913_14.9B19.C2
Gene No.	3164	Strand	-
Start	1	End	1037
Name	OJ990913_14.9B19.C2.o1.np	Method	AAT/NAP
Start	1	End	1037
GI	5731756	Score	375
Exons	1..496, 561..704, 796..1037		
GI Descrip.	(AL109819) putative protein [Arabidopsis thaliana]		

Seq. No.	1528	Seq. ID	OJ990913_14.9B19.C2
Gene No.	3164	Strand	-
Start	1	End	1037
Name	OJ990913_14.9B19.C2.o1.gs	Method	GENSCAN
Start	561	End	1037
GI	none	Score	.79
Exons	561..704, 796..1037		

Seq. No.	1529	Seq. ID	OJ990913_14.9B19.C3
Gene No.	3165	Strand	+
Start	1717	End	7722
Name	OJ990913_14.9B19.C3.o2.gs	Method	GENSCAN
Start	1717	End	7560
GI	none	Score	.5
Exons	1717..1885, 2504..2622, 4040..4276, 4379..4541, 4954..5057, 5071..5144, 6698..6866, 6945..7098, 7145..7560		

Seq. No.	1529	Seq. ID	OJ990913_14.9B19.C3
Gene No.	3165	Strand	+
Start	1717	End	7722
Name	OJ990913_14.9B19.C3.o1.gp	Method	AAT/GAP

Start	4859	End	6648
GI	2442798	Score	616
Exons	4859..4953, 5071..5144, 6289..6430, 6579..6648		

Seq. No.	1529	Seq. ID	OJ990913_14.9B19.C3
Gene No.	3165	Strand	+
Start	1717	End	7722
Name	OJ990913_14.9B19.C3.o1.np	Method	AAT/NAP
Start	6681	End	7722
GI	2702270	Score	589
Exons	6681..6866, 6945..7086, 7163..7722		
GI Descrip.	(AC003033) unknown protein [Arabidopsis thaliana]		

Seq. No.	1529	Seq. ID	OJ990913_14.9B19.C3
Gene No.	3165	Strand	+
Start	1717	End	7722
Name	OJ990913_14.9B19.C3.o2.gp	Method	AAT/GAP
Start	7420	End	7722
GI	11144_1.R1084	Score	589
Exons	7420..7722		
GI Descrip.	'2702270 4.0e-91 (AC003033) unknown protein [Arabidopsis thaliana]'		

Seq. No.	1529	Seq. ID	OJ990913_14.9B19.C3
Gene No.	3166	Strand	-
Start	436	End	763
Name	OJ990913_14.9B19.C3.o1.gs	Method	GENSCAN
Start	436	End	763
GI	none	Score	.77
Exons	436..763		

Seq. No.	1529	Seq. ID	OJ990913_14.9B19.C3
Gene No.	3167	Strand	
Start	6285	End	6719
Name	OJ990913_14.9B19.C3.o3.tm	Method	TBLASTX:Maize
Start	6285	End	6719
GI	none	Score	139
Exons	6285..6422, 6286..6426, 6287..6442, 6576..6719, 6577..6708, 6578..6718		

Seq. No.	1529	Seq. ID	OJ990913_14.9B19.C3
Gene No.	3168	Strand	
Start	6750	End	7131
Name	OJ990913_14.9B19.C3.o2.tm	Method	TBLASTX:Maize
Start	6750	End	7131
GI	none	Score	185
Exons	6750..6866, 6750..6866, 6751..6867, 6791..6871, 6929..7099, 6939..7112, 6945..7100, 7033..7131		

Seq. No.	1529	Seq. ID	OJ990913_14.9B19.C3
Gene No.	3169	Strand	
Start	7158	End	7717
Name	OJ990913_14.9B19.C3.o1.tm	Method	TBLASTX:Maize
Start	7158	End	7717
GI	none	Score	414
Exons	7158..7691, 7167..7691, 7168..7698, 7271..7696, 7472..7717		

Seq. No.	1529	Seq. ID	OJ990913_14.9B19.C3
Gene No.	3169	Strand	
Start	7158	End	7717
Name	OJ990913_14.9B19.C3.o1.ts	Method	TBLASTX:Soybean
Start	7467	End	7661
GI	none	Score	259
Exons	7467..7661, 7468..7659		

Seq. No.	1530	Seq. ID	OJ990913_14.9B19.C4
Gene No.	3170	Strand	+
Start	1	End	1098
Name	OJ990913_14.9B19.C4.o1.gp	Method	AAT/GAP
Start	1	End	631
GI	11144_1.R1084	Score	761
Exons	1..153, 276..514, 595..631		
GI Descrip.	'2702270 4.0e-91 (AC003033) unknown protein [Arabidopsis thaliana]'		

Seq. No.	1530	Seq. ID	OJ990913_14.9B19.C4
Gene No.	3170	Strand	+
Start	1	End	1098
Name	OJ990913_14.9B19.C4.o1.np	Method	AAT/NAP
Start	1	End	1098
GI	2702270	Score	277
Exons	1..140, 275..514, 595..668, 957..1098		
GI Descrip.	(AC003033) unknown protein [Arabidopsis thaliana]		

Seq. No.	1530	Seq. ID	OJ990913_14.9B19.C4
Gene No.	3170	Strand	+
Start	1	End	1098
Name	OJ990913_14.9B19.C4.o1.tm	Method	TBLASTX:Maize
Start	3	End	391
GI	none	Score	189
Exons	3..152, 4..153, 5..148, 12..152, 254..388, 277..387, 278..391		

Seq. No.	1530	Seq. ID	OJ990913_14.9B19.C4
Gene No.	3170	Strand	+
Start	1	End	1098
Name	OJ990913_14.9B19.C4.o1.gs	Method	GENSCAN
Start	57	End	1068
GI	none	Score	.77
Exons	57..153, 276..514, 699..736, 957..1068		

Seq. No.	1531	Seq. ID	OJ990913_14.9B19.C5
Gene No.	3171	Strand	+
Start	1	End	383
Name	OJ990913_14.9B19.C5.o1.gp	Method	AAT/GAP
Start	1	End	383
GI	none	Score	694
Exons	1..383		

Seq. No.	1531	Seq. ID	OJ990913_14.9B19.C5
Gene No.	3172	Strand	+
Start	5772	End	8658
Name	OJ990913_14.9B19.C5.o3.gp	Method	AAT/GAP
Start	5677	End	6221
GI	27257_1.R1084	Score	729

Exons 5677..5844, 5920..6221
 GI Descrip. '4097948 2.0e-29 (U72255) beta-1,3-glucanase precursor [Oryza sativa]'

Seq. No.	1531	Seq. ID	OJ990913_14.9B19.C5
Gene No.	3172	Strand	+
Start	5772	End	8658
Name	OJ990913_14.9B19.C5.o1.np	Method	AAT/NAP
Start	5772	End	6978
GI	4097948	Score	1819
Exons	5772..5844, 5920..6978		
GI Descrip.	(U72255) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	1531	Seq. ID	OJ990913_14.9B19.C5
Gene No.	3172	Strand	+
Start	5772	End	8658
Name	OJ990913_14.9B19.C5.o2.gs	Method	GENSCAN
Start	5772	End	8282
GI	none	Score	.76
Exons	5772..7278, 8248..8282		

Seq. No.	1531	Seq. ID	OJ990913_14.9B19.C5
Gene No.	3172	Strand	+
Start	5772	End	8658
Name	OJ990913_14.9B19.C5.o4.gp	Method	AAT/GAP
Start	6211	End	6904
GI	65422_1.R1084	Score	1239
Exons	6211..6904		
GI Descrip.	'4097948 1.0e-102 (U72255) beta-1,3-glucanase precursor [Oryza sativa]'		

Seq. No.	1531	Seq. ID	OJ990913_14.9B19.C5
Gene No.	3172	Strand	+
Start	5772	End	8658
Name	OJ990913_14.9B19.C5.o5.gp	Method	AAT/GAP
Start	6982	End	8658
GI	90989_1.R1084	Score	1338
Exons	6982..7278, 8248..8658		
GI Descrip.	'4558591/gb AAD22663.1 AC006555_1 3.0e-28 (AC006555) putative beta-1,3-glucanase [Arabidopsis thaliana] >gi_4662638_gb_AAD26909.1 AC007233_1 (AC007233) putative beta-1,3-glucanase [Arabidopsis thaliana]'		

Seq. No.	1531	Seq. ID	OJ990913_14.9B19.C5
Gene No.	3172	Strand	+
Start	5772	End	8658
Name	OJ990913_14.9B19.C5.o2.np	Method	AAT/NAP
Start	6999	End	7373
GI	4585922	Score	178
Exons	6999..7373		
GI Descrip.	(AC007211) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1531	Seq. ID	OJ990913_14.9B19.C5
Gene No.	3173	Strand	-
Start	8904	End	9656
Name	OJ990913_14.9B19.C5.o1.tw	Method	TBLASTX:Wheat
Start	5894	End	6320

GI	none	Score	252
Exons	5894..5983, 5904..6224, 6017..6217, 6158..6241, 6234..6320, 6239..6319		

Seq. No.	1531	Seq. ID	OJ990913_14.9B19.C5
Gene No.	3173	Strand	-
Start	8904	End	9656
Name	OJ990913_14.9B19.C5.o1.ts	Method	TBLASTX:Soybean
Start	5916	End	6890
GI	none	Score	790
Exons	5916..6614, 5918..6601, 6621..6752, 6753..6890, 6758..6886		

Seq. No.	1531	Seq. ID	OJ990913_14.9B19.C5
Gene No.	3173	Strand	-
Start	8904	End	9656
Name	OJ990913_14.9B19.C5.o1.tm	Method	TBLASTX:Maize
Start	5917	End	7073
GI	none	Score	78
Exons	5917..5973, 5918..6394, 5919..6395, 6395..6616, 6396..6617, 6620..6682, 6621..6902, 6758..6901, 7029..7073		

Seq. No.	1531	Seq. ID	OJ990913_14.9B19.C5
Gene No.	3173	Strand	-
Start	8904	End	9656
Name	OJ990913_14.9B19.C5.o1.tc	Method	TBLASTX:Cress
Start	5921	End	7277
GI	none	Score	223
Exons	5921..5974, 5922..6221, 6077..6211, 6306..6617, 6308..6514, 6545..6616, 6621..6740, 6756..6896, 7035..7277		

Seq. No.	1531	Seq. ID	OJ990913_14.9B19.C5
Gene No.	3173	Strand	-
Start	8904	End	9656
Name	OJ990913_14.9B19.C5.o2.ts	Method	TBLASTX:Soybean
Start	7008	End	7279
GI	none	Score	320
Exons	7008..7082, 7026..7277, 7028..7279		

Seq. No.	1531	Seq. ID	OJ990913_14.9B19.C5
Gene No.	3173	Strand	-
Start	8904	End	9656
Name	OJ990913_14.9B19.C5.o2.tw	Method	TBLASTX:Wheat
Start	7041	End	7280
GI	none	Score	100
Exons	7041..7115, 7046..7087, 7116..7208, 7124..7207, 7172..7276, 7173..7280		

Seq. No.	1531	Seq. ID	OJ990913_14.9B19.C5
Gene No.	3173	Strand	-
Start	8904	End	9656
Name	OJ990913_14.9B19.C5.o2.tm	Method	TBLASTX:Maize
Start	7077	End	8562
GI	none	Score	358
Exons	7077..7277, 7124..7279, 7124..7276, 8247..8303, 8247..8300, 8517..8558, 8517..8558, 8518..8562, 8519..8560		

Seq. No.	1531	Seq. ID	OJ990913_14.9B19.C5
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Gene No.	3173	Strand	-
Start	8904	End	9656
Name	OJ990913_14.9B19.C5.o3.gs	Method	GENSCAN
Start	8904	End	9656
GI	none	Score	.57
Exons	8904..8986, 9148..9233, 9265..9656		

Seq. No.	1532	Seq. ID	OJ990913_14.9B19.C6
Gene No.	3174	Strand	+
Start	7416	End	8766
Name	OJ990913_14.9B19.C6.o2.np	Method	AAT/NAP
Start	7416	End	8766
GI	140506	Score	199
Exons	7416..7649, 8724..8766		
GI Descrip.	PROBABLE INTRON MATURASE gi 82531 pir JQ0201 hypothetical 65K protein (trnK intron) - rice chloroplast gi 11959 emb CAA34008 (X15901) ORF542; ORF within trnK intron [Oryza sativa] gi 226626 prf 1603356B trnK intron ORF 542 [Oryza sativa]		

Seq. No.	1532	Seq. ID	OJ990913_14.9B19.C6
Gene No.	3175	Strand	-
Start	2102	End	4076
Name	OJ990913_14.9B19.C6.o1.gp	Method	AAT/GAP
Start	1830	End	4076
GI	210_1.R1084	Score	2500
Exons	1830..2726, 3322..3551, 3873..4076		
GI Descrip.	'2952328 1.0e-173 (AF049889) 1-aminocyclopropane-1-carboxylate oxidase [Oryza sativa]'		

Seq. No.	1532	Seq. ID	OJ990913_14.9B19.C6
Gene No.	3175	Strand	-
Start	2102	End	4076
Name	OJ990913_14.9B19.C6.o1.gs	Method	GENSCAN
Start	2102	End	3986
GI	none	Score	.95
Exons	2102..2491, 2583..2726, 3034..3070, 3322..3551, 3873..3986		

Seq. No.	1532	Seq. ID	OJ990913_14.9B19.C6
Gene No.	3175	Strand	-
Start	2102	End	4076
Name	OJ990913_14.9B19.C6.o1.np	Method	AAT/NAP
Start	2105	End	3986
GI	2952328	Score	1558
Exons	2105..2726, 3322..3551, 3873..3986		
GI Descrip.	(AF049889) 1-aminocyclopropane-1-carboxylate oxidase [Oryza sativa]		

Seq. No.	1532	Seq. ID	OJ990913_14.9B19.C6
Gene No.	3176	Strand	-
Start	5420	End	8535
Name	OJ990913_14.9B19.C6.o1.ts	Method	TBLASTX:Soybean
Start	2088	End	3968
GI	none	Score	88
Exons	2088..2225, 2102..2233, 2294..2548, 2295..2555, 2571..2651, 2572..2649, 3319..3399, 3321..3419, 3456..3554, 3457..3549, 3861..3968, 3873..3962, 3874..3966		

Seq. No.	1532	Seq. ID	OJ990913_14.9B19.C6
Gene No.	3176	Strand	-
Start	5420	End	8535
Name	OJ990913_14.9B19.C6.o1.tw	Method	TBLASTX:Wheat
Start	2100	End	2456
GI	none	Score	38
Exons	2100..2126, 2120..2233, 2150..2227, 2294..2455, 2295..2456		

Seq. No.	1532	Seq. ID	OJ990913_14.9B19.C6
Gene No.	3176	Strand	-
Start	5420	End	8535
Name	OJ990913_14.9B19.C6.o1.tc	Method	TBLASTX:Cress
Start	2111	End	4003
GI	none	Score	70
Exons	2111..2233, 2112..2228, 2294..2548, 2295..2540, 2571..2651, 2572..2649, 3321..3416, 3447..3554, 3457..3552, 3861..3968, 3980..4003		

Seq. No.	1532	Seq. ID	OJ990913_14.9B19.C6
Gene No.	3176	Strand	-
Start	5420	End	8535
Name	OJ990913_14.9B19.C6.o1.tm	Method	TBLASTX:Maize
Start	2141	End	2456
GI	none	Score	127
Exons	2141..2233, 2142..2228, 2294..2455, 2295..2456		

Seq. No.	1532	Seq. ID	OJ990913_14.9B19.C6
Gene No.	3176	Strand	-
Start	5420	End	8535
Name	OJ990913_14.9B19.C6.o2.tm	Method	TBLASTX:Maize
Start	2514	End	3984
GI	none	Score	50
Exons	2514..2555, 2516..2548, 2550..2651, 2554..2598, 2571..2651, 2655..2690, 2655..2684, 2688..2744, 2690..2728, 3321..3554, 3322..3549, 3393..3554, 3861..3977, 3873..3977, 3916..3984		

Seq. No.	1532	Seq. ID	OJ990913_14.9B19.C6
Gene No.	3176	Strand	-
Start	5420	End	8535
Name	OJ990913_14.9B19.C6.o2.gs	Method	GENSCAN
Start	5420	End	8535
GI	none	Score	.86
Exons	5420..5708, 5883..5997, 7059..7152, 7899..7952, 8530..8535		

Seq. No.	1532	Seq. ID	OJ990913_14.9B19.C6
Gene No.	3176	Strand	-
Start	5420	End	8535
Name	OJ990913_14.9B19.C6.o2.tw	Method	TBLASTX:Wheat
Start	7456	End	7639
GI	none	Score	95
Exons	7456..7518, 7457..7531, 7504..7629, 7505..7639		

Seq. No.	1533	Seq. ID	OJ990913_14.9B19.C7
Gene No.	3177	Strand	+
Start	457	End	582
Name	OJ990913_14.9B19.C7.o1.gs	Method	GENSCAN
Start	457	End	582

GI	none	Score	.99
Exons	457..582		
Seq. No.	1534	Seq. ID	OJ990913_14.9B19.C8
Gene No.	3178	Strand	+
Start	346	End	1082
Name	OJ990913_14.9B19.C8.ol.gs	Method	GENSCAN
Start	346	End	1082
GI	none	Score	.54
Exons	346..394, 919..1082		
Seq. No.	1535	Seq. ID	OJ990913_14.9B19.C9
Gene No.	3179	Strand	-
Start	1468	End	4593
Name	OJ990913_14.9B19.C9.ol.gs	Method	GENSCAN
Start	1468	End	4543
GI	none	Score	.49
Exons	1468..1592, 2082..2143, 2217..2318, 2958..3080, 3293..3387, 3756..3985, 4414..4543		
Seq. No.	1535	Seq. ID	OJ990913_14.9B19.C9
Gene No.	3179	Strand	-
Start	1468	End	4593
Name	OJ990913_14.9B19.C9.ol.np	Method	AAT/NAP
Start	3138	End	4593
GI	3643598	Score	44
Exons	3138..3241, 3522..3557, 4517..4593		
GI Descrip.	(AC005395) putative poly(A) polymerase [Arabidopsis thaliana]		
Seq. No.	1535	Seq. ID	OJ990913_14.9B19.C9
Gene No.	3179	Strand	-
Start	1468	End	4593
Name	OJ990913_14.9B19.C9.ol.gp	Method	AAT/GAP
Start	3767	End	4224
GI	none	Score	904
Exons	3767..4224		
Seq. No.	1536	Seq. ID	OJ990913_14.9B19.C10
Gene No.	3180	Strand	+
Start	231	End	2983
Name	OJ990913_14.9B19.C10.ol.gs	Method	GENSCAN
Start	231	End	2983
GI	none	Score	.5
Exons	231..380, 545..715, 797..961, 1771..1874, 2833..2983		
Seq. No.	1536	Seq. ID	OJ990913_14.9B19.C10
Gene No.	3181	Strand	+
Start	3934	End	7667
Name	OJ990913_14.9B19.C10.ol.np	Method	AAT/NAP
Start	3913	End	7667
GI	4056425	Score	476
Exons	3913..4178, 4291..4384, 7194..7251, 7338..7381, 7485..7667		
GI Descrip.	(AC005322) ESTs gb H36249, gb AA59732 and gb AA651219 come from this gene. [Arabidopsis thaliana]		
Seq. No.	1536	Seq. ID	OJ990913_14.9B19.C10
Gene No.	3181	Strand	+

Start	3934	End	7667
Name	OJ990913_14.9B19.C10.o2.gs	Method	GENSCAN
Start	3934	End	7594
GI	none	Score	.92
Exons	3934..4178, 4291..4384, 5933..6025, 7194..7251, 7485..7594		

Seq. No.	1536	Seq. ID	OJ990913_14.9B19.C10
Gene No.	3182	Strand	+
Start	9208	End	9983
Name	OJ990913_14.9B19.C10.o3.gs	Method	GENSCAN
Start	9208	End	9972
GI	none	Score	.76
Exons	9208..9972		

Seq. No.	1536	Seq. ID	OJ990913_14.9B19.C10
Gene No.	3182	Strand	+
Start	9208	End	9983
Name	OJ990913_14.9B19.C10.o1.gp	Method	AAT/GAP
Start	9858	End	9983
GI	LIB3434-037-P1-K1-B12	Score	198
Exons	9858..9983		
GI.Descrip.	'1174470/sp P46978 STT3_MOUSE 2.0e-33 OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG (B5) (INTEGRAL MEMBRANE PROTEIN 1) >gi_508543 (L34260) integral membrane protein 1 [Mus musculus] >gi_1588285_prf_2208301A integral membrane protein [Mus musculus]'		

Seq. No.	1536	Seq. ID	OJ990913_14.9B19.C10
Gene No.	3183	Strand	-
Start	8802	End	9983
Name	OJ990913_14.9B19.C10.o1.ts	Method	TBLASTX:Soybean
Start	4050	End	7640
GI	none	Score	129
Exons	4050..4181, 4054..4179, 4288..4386, 4292..4384, 7191..7307, 7203..7256, 7337..7381, 7482..7640, 7484..7582		

Seq. No.	1536	Seq. ID	OJ990913_14.9B19.C10
Gene No.	3183	Strand	-
Start	8802	End	9983
Name	OJ990913_14.9B19.C10.o1.tc	Method	TBLASTX:Cress
Start	4069	End	4378
GI	none	Score	127
Exons	4069..4179, 4074..4181, 4288..4377, 4292..4378		

Seq. No.	1536	Seq. ID	OJ990913_14.9B19.C10
Gene No.	3183	Strand	-
Start	8802	End	9983
Name	OJ990913_14.9B19.C10.o1.tm	Method	TBLASTX:Maize
Start	4309	End	7636
GI	none	Score	105
Exons	4309..4383, 4310..4411, 7166..7249, 7203..7256, 7336..7389, 7337..7381, 7461..7634, 7482..7634, 7484..7636, 7484..7636		

Seq. No.	1536	Seq. ID	OJ990913_14.9B19.C10
Gene No.	3183	Strand	-
Start	8802	End	9983
Name	OJ990913_14.9B19.C10.o1.tw	Method	TBLASTX:Wheat

Start	7334	End	7675
GI	none	Score	80
Exons	7334..7387, 7336..7389, 7337..7381, 7482..7661, 7482..7658, 7484..7663, 7484..7675		

Seq. No.	1536	Seq. ID	OJ990913_14.9B19.C10
Gene No.	3183	Strand	-
Start	8802	End	9983
Name	OJ990913_14.9B19.C10.o2.np	Method	AAT/NAP
Start	8802	End	9983
GI	4680191	Score	60
Exons	8802..8884, 9942..9983		
GI Descrip.	(AF111710) putative myb-related protein [Oryza sativa subsp. indica]		

Seq. No.	1536	Seq. ID	OJ990913_14.9B19.C10
Gene No.	3183	Strand	-
Start	8802	End	9983
Name	OJ990913_14.9B19.C10.o2.tm	Method	TBLASTX:Maize
Start	9412	End	9975
GI	none	Score	38
Exons	9412..9456, 9585..9629, 9600..9812, 9610..9813, 9801..9863, 9805..9918, 9919..9975, 9927..9974		

Seq. No.	1537	Seq. ID	OJ990913_14.9B19.C11
Gene No.	3184	Strand	+
Start	1856	End	3998
Name	OJ990913_14.9B19.C11.o1.gs	Method	GENSCAN
Start	1856	End	3892
GI	none	Score	.52
Exons	1856..2016, 2211..2571, 3186..3263, 3737..3892		

Seq. No.	1537	Seq. ID	OJ990913_14.9B19.C11
Gene No.	3184	Strand	+
Start	1856	End	3998
Name	OJ990913_14.9B19.C11.o1.gp	Method	AAT/GAP
Start	2061	End	2416
GI	45760_1.R1084	Score	589
Exons	2061..2416		
GI Descrip.	'2702280 7.0e-63 (AC003033) photomorphogenesis repressor COP1 [Arabidopsis thaliana]'		

Seq. No.	1537	Seq. ID	OJ990913_14.9B19.C11
Gene No.	3184	Strand	+
Start	1856	End	3998
Name	OJ990913_14.9B19.C11.o1.np	Method	AAT/NAP
Start	2254	End	3998
GI	1169012	Score	486
Exons	2254..2571, 3186..3263, 3737..3922, 3963..3998		
GI Descrip.	COP1 REGULATORY PROTEIN (FUSCA PROTEIN FUS1) gi 402685 (L24437) regulatory protein [Arabidopsis thaliana]		

Seq. No.	1537	Seq. ID	OJ990913_14.9B19.C11
Gene No.	3184	Strand	+
Start	1856	End	3998
Name	OJ990913_14.9B19.C11.o1.tc	Method	TBLASTX:Cress
Start	2377	End	3248

GI	none	Score	277
Exons	2377..2559, 2406..2597, 3159..3248		
Seq. No.	1538	Seq. ID	OJ990913_14.9B19.C12
Gene No.	3185	Strand	+
Start	1	End	5478
Name	OJ990913_14.9B19.C12.o1.gp	Method	AAT/GAP
Start	1	End	494
GI	uC-osflcyp112d05b1	Score	201
Exons	1..60, 164..234, 458..494		
GI Descrip.	'2702280 7.0e-63 (AC003033) photomorphogenesis repressor COP1 [Arabidopsis thaliana]'		

Seq. No.	1538	Seq. ID	OJ990913_14.9B19.C12
Gene No.	3185	Strand	+
Start	1	End	5478
Name	OJ990913_14.9B19.C12.o1.np	Method	AAT/NAP
Start	1	End	2521
GI	4090943	Score	1338
Exons	1..60, 164..229, 592..670, 763..918, 1011..1109, 1378..1482, 1558..1737, 2108..2218, 2354..2521		
GI Descrip.	(AF029984) COP1 homolog [Lycopersicon esculentum]		

Seq. No.	1538	Seq. ID	OJ990913_14.9B19.C12
Gene No.	3185	Strand	+
Start	1	End	5478
Name	OJ990913_14.9B19.C12.o1.gs	Method	GENSCAN
Start	164	End	5478
GI	none	Score	.52
Exons	164..229, 592..670, 763..918, 1011..1128, 1541..1737, 2108..2218, 3541..3641, 3856..3993, 4027..4202, 5375..5478		

Seq. No.	1538	Seq. ID	OJ990913_14.9B19.C12
Gene No.	3185	Strand	+
Start	1	End	5478
Name	OJ990913_14.9B19.C12.o2.gp	Method	AAT/GAP
Start	995	End	1771
GI	2310219	Score	711
Exons	995..1109, 1378..1482, 1558..1771		
GI Descrip.	2702280 7.0e-63 (AC003033) photomorphogenesis repressor COP1 [Arabidopsis thaliana]		

Seq. No.	1538	Seq. ID	OJ990913_14.9B19.C12
Gene No.	3186	Strand	-
Start	2390	End	2806
Name	OJ990913_14.9B19.C12.o1.ts	Method	TBLASTX:Soybean
Start	20	End	1587
GI	none	Score	75
Exons	20..97, 159..212, 161..229, 587..673, 589..672, 762..917, 763..918, 1003..1110, 1004..1093, 1004..1111, 1009..1110, 1011..1112, 1363..1482, 1364..1483, 1372..1497, 1377..1496, 1552..1587		

Seq. No.	1538	Seq. ID	OJ990913_14.9B19.C12
Gene No.	3186	Strand	-
Start	2390	End	2806
Name	OJ990913_14.9B19.C12.o1.tc	Method	TBLASTX:Cress

Start	587	End	1111
GI	none	Score	108
Exons	587..673, 622..663, 748..918, 768..911, 1011..1106, 1028..1111		

Seq. No.	1538	Seq. ID	OJ990913_14.9B19.C12
Gene No.	3186	Strand	-
Start	2390	End	2806
Name	OJ990913_14.9B19.C12.o3.tm	Method	TBLASTX:Maize
Start	587	End	924
GI	none	Score	109
Exons	587..673, 763..924, 792..902		

Seq. No.	1538	Seq. ID	OJ990913_14.9B19.C12
Gene No.	3186	Strand	-
Start	2390	End	2806
Name	OJ990913_14.9B19.C12.o1.tm	Method	TBLASTX:Maize
Start	1007	End	2143
GI	none	Score	132
Exons	1007..1111, 1007..1111, 1008..1112, 1372..1497, 1372..1482, 1377..1496, 1557..1739, 1558..1740, 1561..1740, 1565..1741, 2108..2143		

Seq. No.	1538	Seq. ID	OJ990913_14.9B19.C12
Gene No.	3186	Strand	-
Start	2390	End	2806
Name	OJ990913_14.9B19.C12.o2.ts	Method	TBLASTX:Soybean
Start	1588	End	2523
GI	none	Score	200
Exons	1588..1740, 1590..1739, 2101..2229, 2108..2227, 2353..2523, 2357..2518, 2416..2523		

Seq. No.	1538	Seq. ID	OJ990913_14.9B19.C12
Gene No.	3186	Strand	-
Start	2390	End	2806
Name	OJ990913_14.9B19.C12.o2.tm	Method	TBLASTX:Maize
Start	2144	End	2708
GI	none	Score	139
Exons	2144..2227, 2144..2218, 2146..2256, 2351..2524, 2353..2547, 2353..2526, 2592..2609, 2642..2704, 2644..2706, 2652..2708		

Seq. No.	1538	Seq. ID	OJ990913_14.9B19.C12
Gene No.	3186	Strand	-
Start	2390	End	2806
Name	OJ990913_14.9B19.C12.o3.gp	Method	AAT/GAP
Start	2390	End	2806
GI	uC-osroM202003f02a2	Score	830
Exons	2390..2806		
GI Descrip.	'1169012/sp P43254 COP1 ARATH 4.0e-11 COP1 REGULATORY PROTEIN (FUSCA PROTEIN FUS1) >gi_402685 (L24437) regulatory protein [Arabidopsis thaliana]'		

Seq. No.	1539	Seq. ID	OJ990913_14.9B19.C13
Gene No.	3187	Strand	+
Start	2987	End	3499
Name	OJ990913_14.9B19.C13.o2.gp	Method	AAT/GAP
Start	2987	End	3499
GI	38782_1.R1084	Score	808

Exons 2987..3499
 GI Descrip. '6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'

Seq. No.	1539	Seq. ID	OJ990913_14.9B19.C13
Gene No.	3188	Strand	-
Start	1	End	1552
Name	OJ990913_14.9B19.C13.o1.np	Method	AAT/NAP
Start	1	End	1552
GI	6907086	Score	1218
Exons	1..147, 261..376, 604..769, 830..1552		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	1539	Seq. ID	OJ990913_14.9B19.C13
Gene No.	3188	Strand	-
Start	1	End	1552
Name	OJ990913_14.9B19.C13.o1.gs	Method	GENSCAN
Start	62	End	271
GI	none	Score	.55
Exons	62..271		

Seq. No.	1539	Seq. ID	OJ990913_14.9B19.C13
Gene No.	3188	Strand	-
Start	1	End	1552
Name	OJ990913_14.9B19.C13.o2.gs	Method	GENSCAN
Start	818	End	1552
GI	none	Score	.56
Exons	818..1552		

Seq. No.	1539	Seq. ID	OJ990913_14.9B19.C13
Gene No.	3189	Strand	-
Start	1633	End	1825
Name	OJ990913_14.9B19.C13.o1.gp	Method	AAT/GAP
Start	1633	End	1825
GI	5667165	Score	349
Exons	1633..1825		
GI Descrip.	5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	1539	Seq. ID	OJ990913_14.9B19.C13
Gene No.	3190	Strand	-
Start	2259	End	4745
Name	OJ990913_14.9B19.C13.o2.np	Method	AAT/NAP
Start	2259	End	4745
GI	4680186	Score	211
Exons	2259..2677, 3183..3282, 4720..4745		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	1540	Seq. ID	OJ990913_14.9B19.C14
Gene No.	3191	Strand	-
Start	1	End	364
Name	OJ990913_14.9B19.C14.o1.np	Method	AAT/NAP
Start	1	End	364
GI	5441880	Score	247
Exons	1..47, 163..364		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein.		

(AC003981) [Oryza sativa]

Seq. No.	1540	Seq. ID	OJ990913_14.9B19.C14
Gene No.	3191	Strand	-
Start	1	End	364
Name	OJ990913_14.9B19.C14.o1.gs	Method	GENSCAN
Start	7	End	294
GI	none	Score	.92
Exons	7..47, 52..99, 163..294		

Seq. No.	1541	Seq. ID	OJ990913_14.9B19.C16
Gene No.	3192	Strand	+
Start	1629	End	4655
Name	OJ990913_14.9B19.C16.o1.gs	Method	GENSCAN
Start	1629	End	4655
GI	none	Score	.95
Exons	1629..2586, 2689..2829, 2999..3231, 3318..4655		

Seq. No.	1541	Seq. ID	OJ990913_14.9B19.C16
Gene No.	3192	Strand	+
Start	1629	End	4655
Name	OJ990913_14.9B19.C16.o1.np	Method	AAT/NAP
Start	1629	End	4652
GI	128191	Score	4056
Exons	1629..2586, 2689..2829, 2999..3231, 3318..4652		
GI Descrip.	NITRATE REDUCTASE [NAD(P)H] gi 66210 pir RDBHNP nitrate reductase (NAD(P)H) (EC 1.6.6.2) - barley gi 19065 emb CAA42739 (X60173) nitrate reductase (NAD(P)H) [Hordeum vulgare]		

Seq. No.	1541	Seq. ID	OJ990913_14.9B19.C16
Gene No.	3192	Strand	+
Start	1629	End	4655
Name	OJ990913_14.9B19.C16.o1.gp	Method	AAT/GAP
Start	3656	End	4109
GI	9204_1.R1084	Score	837
Exons	3656..4109		
GI Descrip.	'128191/sp P27968 NIA7_HORVU 4.0e-57 NITRATE REDUCTASE [NAD(P)H] >gi_66210_pir_RDBHNP nitrate reductase (NAD(P)H) (EC 1.6.6.2) - barley, >gi_19065_emb_CAA42739_ (X60173) nitrate reductase (NAD(P)H) [Hordeum vulgare]'		

Seq. No.	1541	Seq. ID	OJ990913_14.9B19.C16
Gene No.	3193	Strand	+
Start	5286	End	7904
Name	OJ990913_14.9B19.C16.o2.gs	Method	GENSCAN
Start	5286	End	7904
GI	none	Score	.75
Exons	5286..6007, 6097..6274, 6897..7031, 7371..7594, 7790..7904		

Seq. No.	1541	Seq. ID	OJ990913_14.9B19.C16
Gene No.	3194	Strand	-
Start	4419	End	4916
Name	OJ990913_14.9B19.C16.o1.tc	Method	TBLASTX:Cress
Start	1805	End	4658
GI	none	Score	649
Exons	1805..2203, 1815..2321, 2267..2320, 2309..2587, 2310..2588, 2660..2830, 2688..2831, 2691..2831, 2997..3239, 2998..3231,		

3312..3758, 3317..3757, 3858..4397, 3863..4336, 4328..4453,
4329..4454, 4461..4541, 4541..4618, 4542..4658

Seq. No.	1541	Seq. ID	OJ990913_14.9B19.C16
Gene No.	3194	Strand	-
Start	4419	End	4916
Name	OJ990913_14.9B19.C16.o1.ts	Method	TBLASTX:Soybean
Start	1815	End	4655
GI	none	Score	1057
Exons	1815..2585, 1829..2203, 2267..2560, 2653..2778, 2673..2831, 2688..2831, 2991..3092, 2997..3239, 2998..3231, 3192..3233, 3311..3754, 3312..3785, 3576..3764, 3863..4303, 3864..4334, 4020..4316, 4328..4414, 4329..4415, 4431..4469, 4475..4627, 4476..4655		

Seq. No.	1541	Seq. ID	OJ990913_14.9B19.C16
Gene No.	3194	Strand	-
Start	4419	End	4916
Name	OJ990913_14.9B19.C16.o3.tm	Method	TBLASTX:Maize
Start	1964	End	2294
GI	none	Score	276
Exons	1964..2176, 1965..2177, 2051..2185, 2184..2288, 2247..2294, 2248..2289		

Seq. No.	1541	Seq. ID	OJ990913_14.9B19.C16
Gene No.	3194	Strand	-
Start	4419	End	4916
Name	OJ990913_14.9B19.C16.o4.tm	Method	TBLASTX:Maize
Start	2319	End	3083
GI	none	Score	188
Exons	2319..2579, 2354..2497, 2986..3054, 2997..3083		

Seq. No.	1541	Seq. ID	OJ990913_14.9B19.C16
Gene No.	3194	Strand	-
Start	4419	End	4916
Name	OJ990913_14.9B19.C16.o1.tw	Method	TBLASTX:Wheat
Start	3064	End	3506
GI	none	Score	295
Exons	3064..3231, 3064..3231, 3066..3239, 3192..3233, 3312..3506, 3317..3505		

Seq. No.	1541	Seq. ID	OJ990913_14.9B19.C16
Gene No.	3194	Strand	-
Start	4419	End	4916
Name	OJ990913_14.9B19.C16.o1.tm	Method	TBLASTX:Maize
Start	3483	End	4265
GI	none	Score	58
Exons	3483..3518, 3487..3516, 3488..3517, 3524..3760, 3528..3782, 3555..3767, 3857..4264, 3858..4265, 3873..4265		

Seq. No.	1541	Seq. ID	OJ990913_14.9B19.C16
Gene No.	3194	Strand	-
Start	4419	End	4916
Name	OJ990913_14.9B19.C16.o2.tm	Method	TBLASTX:Maize
Start	4266	End	4531
GI	none	Score	325
Exons	4266..4529, 4271..4531		

Seq. No.	1541	Seq. ID	OJ990913_14.9B19.C16
Gene No.	3194	Strand	-
Start	4419	End	4916
Name	OJ990913_14.9B19.C16.o2.gp	Method	AAT/GAP
Start	4419	End	4916
GI	2347_1.R1084	Score	965
Exons	4419..4916		
GI Descrip.	'128191/sp P27968 NIA7_HORVU 2.0e-35 NITRATE REDUCTASE [NAD(P)H] >gi_66210_pir`RDBHNP nitrate reductase (NAD(P)H) (EC 1.6.6.2) - barley >gi_19065_emb_CAA42739_ (X60173) nitrate reductase (NAD(P)H) [Hordeum vulgare]'		

Seq. No.	1542	Seq. ID	OJ990913_14.9B19.C17
Gene No.	3195	Strand	+
Start	404	End	3717
Name	OJ990913_14.9B19.C17.o1.gs	Method	GENSCAN
Start	404	End	3717
GI	none	Score	.43
Exons	404..652, 947..1070, 1463..2118, 3245..3346, 3643..3717		

Seq. No.	1543	Seq. ID	OJ990913_14.9B19.C18
Gene No.	3196	Strand	+
Start	290	End	4729
Name	OJ990913_14.9B19.C18.o1.gs	Method	GENSCAN
Start	290	End	4729
GI	none	Score	.78
Exons	290..519, 607..853, 999..1392, 2221..2460, 2967..3054, 3911..4390, 4518..4729		

Seq. No.	1543	Seq. ID	OJ990913_14.9B19.C18
Gene No.	3196	Strand	+
Start	290	End	4729
Name	OJ990913_14.9B19.C18.o1.np	Method	AAT/NAP
Start	329	End	4442
GI	3292822	Score	724
Exons	329..523, 608..853, 999..1201, 1262..1392, 2221..2460, 2967..3056, 4051..4442		
GI Descrip.	(AL031018) putative protein [Arabidopsis thaliana]		

Seq. No.	1543	Seq. ID	OJ990913_14.9B19.C18
Gene No.	3197	Strand	-
Start	5313	End	10793
Name	OJ990913_14.9B19.C18.o2.np	Method	AAT/NAP
Start	5291	End	6350
GI	6553882	Score	602
Exons	5291..6010, 6056..6350		
GI Descrip.	(AC012563) unknown protein [Arabidopsis thaliana]		

Seq. No.	1543	Seq. ID	OJ990913_14.9B19.C18
Gene No.	3197	Strand	-
Start	5313	End	10793
Name	OJ990913_14.9B19.C18.o2.gs	Method	GENSCAN
Start	5313	End	10793
GI	none	Score	.45
Exons	5313..6362, 8077..8143, 9063..9241, 10764..10793		

Seq. No.	1543	Seq. ID	OJ990913_14.9B19.C18
Gene No.	3197	Strand	-
Start	5313	End	10793
Name	OJ990913_14.9B19.C18.o1.gp	Method	AAT/GAP
Start	6173	End	8844
GI	571821	Score	534
Exons	6173..6362, 8733..8844		
Seq. No.	1543	Seq. ID	OJ990913_14.9B19.C18
Gene No.	3198	Strand	-
Start	12161	End	15272
Name	OJ990913_14.9B19.C18.o3.gs	Method	GENSCAN
Start	12161	End	15272
GI	none	Score	.81
Exons	12161..12180, 12785..13340, 13445..13558, 13661..14098, 14344..14493, 14658..15272		
Seq. No.	1543	Seq. ID	OJ990913_14.9B19.C18
Gene No.	3198	Strand	-
Start	12161	End	15272
Name	OJ990913_14.9B19.C18.o3.np	Method	AAT/NAP
Start	13032	End	15152
GI	6715734	Score	419
Exons	13032..13340, 13445..13558, 13661..13708, 13812..14039, 14344..14493, 14871..15152		
GI Descrip.	(AC016447) putative DNA binding protein [Arabidopsis thaliana]		
Seq. No.	1543	Seq. ID	OJ990913_14.9B19.C18
Gene No.	3199	Strand	-
Start	16986	End	17090
Name	OJ990913_14.9B19.C18.o2.tm	Method	TBLASTX:Maize
Start	2361	End	4175
GI	none	Score	107
Exons	2361..2459, 2368..2460, 2953..3051, 2962..3066, 2964..3056, 3890..4090, 3895..4149, 3907..4173, 3909..4175		
Seq. No.	1543	Seq. ID	OJ990913_14.9B19.C18
Gene No.	3199	Strand	-
Start	16986	End	17090
Name	OJ990913_14.9B19.C18.o1.tw	Method	TBLASTX:Wheat
Start	5204	End	5594
GI	none	Score	85
Exons	5204..5278, 5213..5278, 5288..5476, 5289..5477, 5292..5477, 5293..5478, 5468..5563, 5469..5594		
Seq. No.	1543	Seq. ID	OJ990913_14.9B19.C18
Gene No.	3199	Strand	-
Start	16986	End	17090
Name	OJ990913_14.9B19.C18.o3.tm	Method	TBLASTX:Maize
Start	5366	End	5609
GI	none	Score	200
Exons	5366..5599, 5367..5606, 5418..5609, 5437..5607		
Seq. No.	1543	Seq. ID	OJ990913_14.9B19.C18
Gene No.	3199	Strand	-
Start	16986	End	17090
Name	OJ990913_14.9B19.C18.o1.tc	Method	TBLASTX:Cress

Start	5679	End	6305
GI	none	Score	91
Exons	5679..5849, 5758..5856, 5859..5981, 5860..5976, 6057..6305, 6067..6222, 6072..6224, 6080..6226		

Seq. No.	1543	Seq. ID	OJ990913_14.9B19.C18
Gene No.	3199	Strand	-
Start	16986	End	17090
Name	OJ990913_14.9B19.C18.o1.tm	Method	TBLASTX:Maize
Start	5679	End	6189
GI	none	Score	334
Exons	5679..5984, 5682..5984, 5683..5985, 5988..6188, 5989..6189		

Seq. No.	1543	Seq. ID	OJ990913_14.9B19.C18
Gene No.	3199	Strand	-
Start	16986	End	17090
Name	OJ990913_14.9B19.C18.o1.ts	Method	TBLASTX:Soybean
Start	5727	End	6371
GI	none	Score	193
Exons	5727..5984, 5755..5985, 6057..6311, 6058..6231, 6063..6371, 6065..6361		

Seq. No.	1543	Seq. ID	OJ990913_14.9B19.C18
Gene No.	3199	Strand	-
Start	16986	End	17090
Name	OJ990913_14.9B19.C18.o2.tc	Method	TBLASTX:Cress
Start	13269	End	13559
GI	none	Score	74
Exons	13269..13343, 13270..13359, 13442..13558, 13443..13559		

Seq. No.	1543	Seq. ID	OJ990913_14.9B19.C18
Gene No.	3199	Strand	-
Start	16986	End	17090
Name	OJ990913_14.9B19.C18.o2.tw	Method	TBLASTX:Wheat
Start	13269	End	13592
GI	none	Score	79
Exons	13269..13343, 13270..13359, 13442..13552, 13442..13558, 13443..13592		

Seq. No.	1543	Seq. ID	OJ990913_14.9B19.C18
Gene No.	3199	Strand	-
Start	16986	End	17090
Name	OJ990913_14.9B19.C18.o2.ts	Method	TBLASTX:Soybean
Start	13269	End	13559
GI	none	Score	97
Exons	13269..13343, 13270..13377, 13442..13558, 13443..13559		

Seq. No.	1543	Seq. ID	OJ990913_14.9B19.C18
Gene No.	3199	Strand	-
Start	16986	End	17090
Name	OJ990913_14.9B19.C18.o4.tm	Method	TBLASTX:Maize
Start	13269	End	13558
GI	none	Score	63
Exons	13269..13313, 13270..13314, 13395..13556, 13415..13558, 13442..13558		

Seq. No.	1543	Seq. ID	OJ990913_14.9B19.C18
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Gene No.	3199	Strand	-
Start	16986	End	17090
Name	OJ990913_14.9B19.C18.o4.gs	Method	GENSCAN
Start	16986	End	17090
GI	none	Score	.74
Exons	16986..17090		

Seq. No.	1544	Seq. ID	OJ990913_14.9B19.C19
Gene No.	3200	Strand	-
Start	66	End	790
Name	OJ990913_14.9B19.C19.o1.gs	Method	GENSCAN
Start	66	End	790
GI	none	Score	.91
Exons	66..240, 729..790		

Seq. No.	1545	Seq. ID	OJ990923_17.9B17.C2
Gene No.	3201	Strand	+
Start	4918	End	13552
Name	OJ990923_17.9B17.C2.o2.np	Method	AAT/NAP
Start	4918	End	13552
GI	4680203	Score	535
Exons	4918..4952, 6675..6972, 7730..7863, 8679..9456, 11547..11582, 13507..13552		

GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No.	1545	Seq. ID	OJ990923_17.9B17.C2
Gene No.	3201	Strand	+
Start	4918	End	13552
Name	OJ990923_17.9B17.C2.o2.gs	Method	GENSCAN
Start	5765	End	7936
GI	none	Score	.68
Exons	5765..5770, 7028..7108, 7385..7492, 7700..7936		

Seq. No.	1545	Seq. ID	OJ990923_17.9B17.C2
Gene No.	3201	Strand	+
Start	4918	End	13552
Name	OJ990923_17.9B17.C2.o1.gp	Method	AAT/GAP
Start	7728	End	8335
GI	none	Score	1176
Exons	7728..8335		

Seq. No.	1545	Seq. ID	OJ990923_17.9B17.C2
Gene No.	3202	Strand	-
Start	2836	End	5128
Name	OJ990923_17.9B17.C2.o1.gs	Method	GENSCAN
Start	2836	End	5107
GI	none	Score	.86
Exons	2836..4144, 4168..4526, 4532..5107		

Seq. No.	1545	Seq. ID	OJ990923_17.9B17.C2
Gene No.	3202	Strand	-
Start	2836	End	5128
Name	OJ990923_17.9B17.C2.o3.tw	Method	TBLASTX:Wheat
Start	2837	End	3112
GI	none	Score	177
Exons	2837..3061, 2863..3060, 3050..3112, 3061..3108		

Seq. No.	1545	Seq. ID	OJ990923_17.9B17.C2
Gene No.	3202	Strand	-
Start	2836	End	5128
Name	OJ990923_17.9B17.C2.o2.ts	Method	TBLASTX:Soybean
Start	2839	End	3681
GI	none	Score	298
Exons	2839..3201, 2873..3202, 3268..3333, 3320..3532, 3424..3546, 3617..3679, 3619..3681		

Seq. No.	1545	Seq. ID	OJ990923_17.9B17.C2
Gene No.	3202	Strand	-
Start	2836	End	5128
Name	OJ990923_17.9B17.C2.o1.np	Method	AAT/NAP
Start	2845	End	5107
GI	3080420	Score	2112
Exons	2845..5107		
GI Descrip.	(AL022604) putative sugar transporter protein [Arabidopsis thaliana]		

Seq. No.	1545	Seq. ID	OJ990923_17.9B17.C2
Gene No.	3202	Strand	-
Start	2836	End	5128
Name	OJ990923_17.9B17.C2.o1.tc	Method	TBLASTX:Cress
Start	2866	End	5125
GI	none	Score	149
Exons	2866..3090, 2873..3088, 3095..3160, 3097..3144, 3133..3198, 3134..3196, 3268..3333, 3320..3532, 3424..3546, 3628..3684, 3805..3849, 3931..3972, 4099..4134, 4164..4220, 4395..4472, 4472..4996, 4473..4766, 4824..4979, 4988..5107, 4989..5114, 5015..5125		

Seq. No.	1545	Seq. ID	OJ990923_17.9B17.C2
Gene No.	3202	Strand	-
Start	2836	End	5128
Name	OJ990923_17.9B17.C2.o1.tm	Method	TBLASTX:Maize
Start	2869	End	4570
GI	none	Score	337
Exons	2869..3201, 2873..3202, 3268..3327, 3323..3541, 3424..3546, 3634..3693, 3745..3870, 3746..3886, 3922..3972, 4054..4071, 4087..4134, 4164..4220, 4221..4250, 4299..4355, 4386..4472, 4472..4570, 4473..4559		

Seq. No.	1545	Seq. ID	OJ990923_17.9B17.C2
Gene No.	3202	Strand	-
Start	2836	End	5128
Name	OJ990923_17.9B17.C2.o1.ts	Method	TBLASTX:Soybean
Start	4425	End	4936
GI	none	Score	247
Exons	4425..4475, 4472..4936, 4479..4766, 4827..4931		

Seq. No.	1545	Seq. ID	OJ990923_17.9B17.C2
Gene No.	3202	Strand	-
Start	2836	End	5128
Name	OJ990923_17.9B17.C2.o1.tw	Method	TBLASTX:Wheat
Start	4514	End	4744
GI	none	Score	81
Exons	4514..4642, 4514..4744, 4521..4742		

Seq. No. 1545
Gene No. 3202
Start 2836
Name OJ990923_17.9B17.C2.o2.tm
Start 4688
GI none
Exons 4688..5122, 4689..5120

Seq. ID OJ990923_17.9B17.C2
Strand -
End 5128
Method TBLASTX:Maize
End 5122
Score 295

Seq. No. 1545
Gene No. 3202
Start 2836
Name OJ990923_17.9B17.C2.o2.tw
Start 4898
GI none
Exons 4898..5107, 4899..5102, 5015..5107

Seq. ID OJ990923_17.9B17.C2
Strand -
End 5128
Method TBLASTX:Wheat
End 5107
Score 205

Seq. No. 1545
Gene No. 3202
Start 2836
Name OJ990923_17.9B17.C2.o3.ts
Start 4937
GI none
Exons 4937..5128, 4938..5111

Seq. ID OJ990923_17.9B17.C2
Strand -
End 5128
Method TBLASTX:Soybean
End 5128
Score 150

Seq. No. 1545
Gene No. 3203
Start 9167
Name OJ990923_17.9B17.C2.o2.tc
Start 9167
GI none
Exons 9167..9439, 9169..9264, 9304..9432

Seq. ID OJ990923_17.9B17.C2
Strand -
End 9445
Method TBLASTX:Cress
End 9439
Score 215

Seq. No. 1545
Gene No. 3203
Start 9167
Name OJ990923_17.9B17.C2.o3.tm
Start 9223
GI none
Exons 9223..9429, 9224..9430

Seq. ID OJ990923_17.9B17.C2
Strand -
End 9445
Method TBLASTX:Maize
End 9430
Score 192

Seq. No. 1545
Gene No. 3203
Start 9167
Name OJ990923_17.9B17.C2.o4.tw
Start 9244
GI none
Exons 9244..9444, 9245..9445

Seq. ID OJ990923_17.9B17.C2
Strand -
End 9445
Method TBLASTX:Wheat
End 9445
Score 203

Seq. No. 1546
Gene No. 3204
Start 208
Name OJ990923_17.9B17.C3.o1.gs
Start 208
GI none
Exons 208..356

Seq. ID OJ990923_17.9B17.C3
Strand +
End 356
Method GENSCAN
End 356
Score .98

Seq. No.	1546	Seq. ID	OJ990923_17.9B17.C3
Gene No.	3205	Strand	+
Start	1148	End	3512
Name	OJ990923_17.9B17.C3.o2.gs	Method	GENSCAN
Start	1148	End	3512
GI	none	Score	.44
Exons	1148..1239, 1593..1707, 2645..2944, 2949..3093, 3415..3512		

Seq. No.	1546	Seq. ID	OJ990923_17.9B17.C3
Gene No.	3205	Strand	+
Start	1148	End	3512
Name	OJ990923_17.9B17.C3.o2.np	Method	AAT/NAP
Start	2613	End	3509
GI	5852178	Score	382
Exons	2613..2914, 2949..3048, 3409..3509		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	1546	Seq. ID	OJ990923_17.9B17.C3
Gene No.	3206	Strand	-
Start	1483	End	2293
Name	OJ990923_17.9B17.C3.o1.np	Method	AAT/NAP
Start	1483	End	2293
GI	6539570	Score	178
Exons	1483..1694, 2265..2293		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	1547	Seq. ID	OJ990923_17.9B17.C5
Gene No.	3207	Strand	+
Start	421	End	11871
Name	OJ990923_17.9B17.C5.o1.gs	Method	GENSCAN
Start	421	End	11871
GI	none	Score	.56
Exons	421..482, 1701..1829, 2240..2356, 5095..5183, 9383..9667, 9817..9968, 11830..11871		

Seq. No.	1547	Seq. ID	OJ990923_17.9B17.C5
Gene No.	3208	Strand	-
Start	65	End	515
Name	OJ990923_17.9B17.C5.o1.gp	Method	AAT/GAP
Start	65	End	515
GI	4968598	Score	686
Exons	65..515		

Seq. No.	1547	Seq. ID	OJ990923_17.9B17.C5
Gene No.	3209	Strand	-
Start	9793	End	13544
Name	OJ990923_17.9B17.C5.o1.np	Method	AAT/NAP
Start	9793	End	13544
GI	226689	Score	181
Exons	9793..9826, 11376..11496, 13289..13544		
GI Descrip.	RNA polymerase beta [Oryza sativa]		

Seq. No.	1547	Seq. ID	OJ990923_17.9B17.C5
Gene No.	3210	Strand	-
Start	14279	End	15087
Name	OJ990923_17.9B17.C5.o1.tm	Method	TBLASTX:Maize
Start	13302	End	13598

GI	none	Score	78
Exons	13302..13382, 13315..13377, 13315..13386, 13316..13384, 13374..13454, 13377..13457, 13378..13455, 13381..13458, 13461..13544, 13463..13540, 13500..13598		
Seq. No.	1547	Seq. ID	OJ990923_17.9B17.C5
Gene No.	3210	Strand	-
Start	14279	End	15087
Name	OJ990923_17.9B17.C5.o2.gs	Method	GENSCAN
Start	14279	End	15087
GI	none	Score	.59
Exons	14279..14431, 15043..15087		
Seq. No.	1548	Seq. ID	OJ990923_17.9B17.C6
Gene No.	3211	Strand	-
Start	1240	End	4375
Name	OJ990923_17.9B17.C6.o1.np	Method	AAT/NAP
Start	1240	End	4369
GI	6539553	Score	4362
Exons	1240..4369		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	1548	Seq. ID	OJ990923_17.9B17.C6
Gene No.	3211	Strand	-
Start	1240	End	4375
Name	OJ990923_17.9B17.C6.o2.tw	Method	TBLASTX:Wheat
Start	1376	End	1767
GI	none	Score	343
Exons	1376..1762, 1411..1767, 1414..1764		
Seq. No.	1548	Seq. ID	OJ990923_17.9B17.C6
Gene No.	3211	Strand	-
Start	1240	End	4375
Name	OJ990923_17.9B17.C6.o1.tw	Method	TBLASTX:Wheat
Start	1901	End	2656
GI	none	Score	197
Exons	1901..2110, 1902..2060, 1903..2646, 1921..2115, 2169..2648, 2207..2656		
Seq. No.	1548	Seq. ID	OJ990923_17.9B17.C6
Gene No.	3211	Strand	-
Start	1240	End	4375
Name	OJ990923_17.9B17.C6.o1.ts	Method	TBLASTX:Soybean
Start	2306	End	2704
GI	none	Score	79
Exons	2306..2479, 2480..2704, 2495..2689		
Seq. No.	1548	Seq. ID	OJ990923_17.9B17.C6
Gene No.	3211	Strand	-
Start	1240	End	4375
Name	OJ990923_17.9B17.C6.o3.tm	Method	TBLASTX:Maize
Start	2492	End	2926
GI	none	Score	71
Exons	2492..2926, 2517..2711		

Seq. No. 1548
 Gene No. 3211
 Start 1240
 Name OJ990923_17.9B17.C6.o4.tw
 Start 2657
 GI none
 Exons 2657..2851, 2657..2848

Seq. ID OJ990923_17.9B17.C6
 Strand -
 End 4375
 Method TBLASTX:Wheat
 End 2851
 Score 183

Seq. No. 1548
 Gene No. 3211
 Start 1240
 Name OJ990923_17.9B17.C6.o2.ts
 Start 2714
 GI none
 Exons 2714..2962, 2945..3100

Seq. ID OJ990923_17.9B17.C6
 Strand -
 End 4375
 Method TBLASTX:Soybean
 End 3100
 Score 78

Seq. No. 1548
 Gene No. 3211
 Start 1240
 Name OJ990923_17.9B17.C6.o2.tm
 Start 3044
 GI none
 Exons 3044..3106, 3063..3107, 3070..3114, 3118..3264, 3122..3382, 3129..3380, 3163..3381, 3285..3383

Seq. ID OJ990923_17.9B17.C6
 Strand -
 End 4375
 Method TBLASTX:Maize
 End 3383
 Score 42

Seq. No. 1548
 Gene No. 3211
 Start 1240
 Name OJ990923_17.9B17.C6.o1.tm
 Start 3929
 GI none
 Exons 3929..4240, 3930..4226

Seq. ID OJ990923_17.9B17.C6
 Strand -
 End 4375
 Method TBLASTX:Maize
 End 4240
 Score 276

Seq. No. 1548
 Gene No. 3211
 Start 1240
 Name OJ990923_17.9B17.C6.o3.tw
 Start 3988
 GI none
 Exons 3988..4251, 3989..4375, 3990..4364

Seq. ID OJ990923_17.9B17.C6
 Strand -
 End 4375
 Method TBLASTX:Wheat
 End 4375
 Score 243

Seq. No. 1549
 Gene No. 3212
 Start 1564
 Name OJ990923_17.9B17.C7.o1.gs
 Start 1564
 GI none
 Exons 1564..1673, 1836..2043, 2160..2281, 3245..3395, 4362..4936, 5830..7222, 7430..8268, 8398..8583, 8689..10693

Seq. ID OJ990923_17.9B17.C7
 Strand +
 End 10783
 Method GENSCAN
 End 10693
 Score .69

Seq. No. 1549
 Gene No. 3212
 Start 1564
 Name OJ990923_17.9B17.C7.o1.np
 Start 1878
 GI 130582

Seq. ID OJ990923_17.9B17.C7
 Strand +
 End 10783
 Method AAT/NAP
 End 6846
 Score 250

Exons 1878..2420, 6707..6846
 GI Descrip. RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94
 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE]
 gi|100342|pir||S04273 hypothetical protein - common tobacco
 gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]

Seq. No. 1549 Seq. ID OJ990923_17.9B17.C7
 Gene No. 3212 Strand +
 Start 1564 End 10783
 Name OJ990923_17.9B17.C7.o2.np Method AAT/NAP
 Start 3285 End 4736
 GI 5852180 Score 381
 Exons 3285..3360, 4362..4736
 GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. No. 1549 Seq. ID OJ990923_17.9B17.C7
 Gene No. 3212 Strand +
 Start 1564 End 10783
 Name OJ990923_17.9B17.C7.o3.np Method AAT/NAP
 Start 5782 End 10783
 GI 5922631 Score 4808
 Exons 5782..5906, 6135..6381, 6619..6819, 6865..7428, 7471..7630,
 7757..8680, 9287..10783
 GI Descrip. (AP000492) ESTs C26347(C12145), AU078074(C12145) correspond to a
 region of the predicted gene.; similar to prpol; Zea mays
 retrotransposon Cinfu1-1. (AF049110) [Oryza sativa]
 gi|6016864|dbj|BAA85207.1| (AP000570) ESTs
 C26347(C12145), AU078074(C12145) correspond to a region of the
 predicted gene.; Similar to prpol; Zea mays retrotransposon
 Cinfu1-1. (AF049110) [Oryza sativ]

Seq. No. 1549 Seq. ID OJ990923_17.9B17.C7
 Gene No. 3212 Strand +
 Start 1564 End 10783
 Name OJ990923_17.9B17.C7.o5.tw Method TBLASTX:Wheat
 Start 7041 End 7443
 GI none Score 271
 Exons 7041..7349, 7042..7443

Seq. No. 1549 Seq. ID OJ990923_17.9B17.C7
 Gene No. 3212 Strand +
 Start 1564 End 10783
 Name OJ990923_17.9B17.C7.o2.tw Method TBLASTX:Wheat
 Start 8020 End 8817
 GI none Score 145
 Exons 8020..8196, 8241..8477, 8245..8475, 8524..8817, 8665..8784,
 8676..8813

Seq. No. 1549 Seq. ID OJ990923_17.9B17.C7
 Gene No. 3212 Strand +
 Start 1564 End 10783
 Name OJ990923_17.9B17.C7.o3.ts Method TBLASTX:Soybean
 Start 8737 End 9102
 GI none Score 138
 Exons 8737..8961, 8968..9102

Seq. No. 1549 Seq. ID OJ990923_17.9B17.C7

Gene No.	3212	Strand	+
Start	1564	End	10783
Name	OJ990923_17.9B17.C7.o6.tw	Method	TBLASTX:Wheat
Start	8818	End	9051
GI	none	Score	269
Exons	8818..9051, 8838..9050		

Seq. No.	1549	Seq. ID	OJ990923_17.9B17.C7
Gene No.	3212	Strand	+
Start	1564	End	10783
Name	OJ990923_17.9B17.C7.o2.tm	Method	TBLASTX:Maize
Start	8827	End	9183
GI	none	Score	363
Exons	8827..9183, 8868..9173		

Seq. No.	1549	Seq. ID	OJ990923_17.9B17.C7
Gene No.	3212	Strand	+
Start	1564	End	10783
Name	OJ990923_17.9B17.C7.o1.tw	Method	TBLASTX:Wheat
Start	9052	End	9471
GI	none	Score	502
Exons	9052..9471, 9052..9468, 9054..9470		

Seq. No.	1549	Seq. ID	OJ990923_17.9B17.C7
Gene No.	3212	Strand	+
Start	1564	End	10783
Name	OJ990923_17.9B17.C7.o3.tm	Method	TBLASTX:Maize
Start	9186	End	9414
GI	none	Score	201
Exons	9186..9227, 9187..9414, 9315..9410		

Seq. No.	1549	Seq. ID	OJ990923_17.9B17.C7
Gene No.	3212	Strand	+
Start	1564	End	10783
Name	OJ990923_17.9B17.C7.o1.ts	Method	TBLASTX:Soybean
Start	9346	End	9747
GI	none	Score	307
Exons	9346..9747, 9363..9506, 9543..9713		

Seq. No.	1549	Seq. ID	OJ990923_17.9B17.C7
Gene No.	3212	Strand	+
Start	1564	End	10783
Name	OJ990923_17.9B17.C7.o1.tm	Method	TBLASTX:Maize
Start	9414	End	9858
GI	none	Score	280
Exons	9414..9668, 9415..9669, 9696..9821, 9697..9834, 9832..9858		

Seq. No.	1549	Seq. ID	OJ990923_17.9B17.C7
Gene No.	3212	Strand	+
Start	1564	End	10783
Name	OJ990923_17.9B17.C7.o3.tw	Method	TBLASTX:Wheat
Start	9516	End	9945
GI	none	Score	424
Exons	9516..9944, 9517..9945		

Seq. No.	1549	Seq. ID	OJ990923_17.9B17.C7
Gene No.	3212	Strand	+

Start	1564	End	10783
Name	OJ990923_17.9B17.C7.o2.ts	Method	TBLASTX:Soybean
Start	9973	End	10359
GI	none	Score	88
Exons	9973..10077, 9981..10340, 10117..10359		

Seq. No.	1549	Seq. ID	OJ990923_17.9B17.C7
Gene No.	3212	Strand	+
Start	1564	End	10783
Name	OJ990923_17.9B17.C7.o4.tw	Method	TBLASTX:Wheat
Start	9982	End	10404
GI	none	Score	394
Exons	9982..10404, 9990..10328, 10210..10398		

Seq. No.	1550	Seq. ID	OJ990923_17.9B17.C9
Gene No.	3213	Strand	-
Start	284	End	390
Name	OJ990923_17.9B17.C9.o1.gs	Method	GENSCAN
Start	284	End	390
GI	none	Score	.65
Exons	284..390		

Seq. No.	1551	Seq. ID	OJ990923_17.9B17.C10
Gene No.	3214	Strand	+
Start	1	End	357
Name	OJ990923_17.9B17.C10.o1.np	Method	AAT/NAP
Start	1	End	357
GI	6630696	Score	154
Exons	1..357		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	1551	Seq. ID	OJ990923_17.9B17.C10
Gene No.	3214	Strand	+
Start	1	End	357
Name	OJ990923_17.9B17.C10.o2.np	Method	AAT/NAP
Start	1	End	357
GI	6539553	Score	177
Exons	1..357		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	1551	Seq. ID	OJ990923_17.9B17.C10
Gene No.	3214	Strand	+
Start	1	End	357
Name	OJ990923_17.9B17.C10.o1.tw	Method	TBLASTX:Wheat
Start	226	End	357
GI	none	Score	179
Exons	226..333, 229..357, 231..353		

Seq. No.	1552	Seq. ID	OJ990903_16.9B19.C1
Gene No.	3215	Strand	+
Start	1	End	544
Name	OJ990903_16.9B19.C1.o1.gp	Method	AAT/GAP

Start	1	End	544
GI	28981_1.R1084	Score	456
Exons	1..96, 303..383, 468..544		
GI Descrip.	'5668770/gb AAD45997.1 AC005916_9 2.0e-63 (AC005916) T17H3.9 [Arabidopsis thaliana]'		

Seq. No.	1552	Seq. ID	OJ990903_16.9B19.C1
Gene No.	3215	Strand	+
Start	1	End	544
Name	OJ990903_16.9B19.C1.ol.tm	Method	TBLASTX:Maize
Start	1	End	500
GI	none	Score	162
Exons	1..102, 5..97, 6..101, 37..129, 300..386, 300..383, 302..391, 466..498, 468..500, 468..500		

Seq. No.	1552	Seq. ID	OJ990903_16.9B19.C1
Gene No.	3215	Strand	+
Start	1	End	544
Name	OJ990903_16.9B19.C1.ol.np	Method	AAT/NAP
Start	1	End	544
GI	6693013	Score	292
Exons	1..96, 303..383, 468..544		
GI Descrip.	(AC012375) T22C5.3 [Arabidopsis thaliana]		

Seq. No.	1552	Seq. ID	OJ990903_16.9B19.C1
Gene No.	3215	Strand	+
Start	1	End	544
Name	OJ990903_16.9B19.C1.ol.tc	Method	TBLASTX:Cress
Start	300	End	542
GI	none	Score	121
Exons	300..386, 305..367, 467..541, 468..542, 492..542		

Seq. No.	1552	Seq. ID	OJ990903_16.9B19.C1
Gene No.	3215	Strand	+
Start	1	End	544
Name	OJ990903_16.9B19.C1.ol.tw	Method	TBLASTX:Wheat
Start	314	End	542
GI	none	Score	116
Exons	314..391, 315..386, 468..542, 468..539		

Seq. No.	1553	Seq. ID	OJ990903_16.9B19.C2
Gene No.	3216	Strand	+
Start	1	End	1170
Name	OJ990903_16.9B19.C2.ol.np	Method	AAT/NAP
Start	1	End	988
GI	6693013	Score	119
Exons	1..45, 133..230, 342..495, 936..988		
GI Descrip.	(AC012375) T22C5.3 [Arabidopsis thaliana]		

Seq. No.	1553	Seq. ID	OJ990903_16.9B19.C2
Gene No.	3216	Strand	+
Start	1	End	1170
Name	OJ990903_16.9B19.C2.ol.gp	Method	AAT/GAP
Start	68	End	1170
GI	28981_1.R1084	Score	891
Exons	68..230, 342..445, 871..1170		
GI Descrip.	'5668770/gb AAD45997.1 AC005916_9 2.0e-63 (AC005916) T17H3.9		

[Arabidopsis thaliana]'

Seq. No.	1553	Seq. ID	OJ990903_16.9B19.C2
Gene No.	3216	Strand	+
Start	1	End	1170
Name	OJ990903_16.9B19.C2.o1.gs	Method	GENSCAN
Start	147	End	991
GI	none	Score	.82
Exons	147..230, 342..445, 871..991		
Seq. No.	1553	Seq. ID	OJ990903_16.9B19.C2
Gene No.	3217	Strand	+
Start	1260	End	1650
Name	OJ990903_16.9B19.C2.o2.gp	Method	AAT/GAP
Start	1260	End	1650
GI	none	Score	670
Exons	1260..1650		
Seq. No.	1553	Seq. ID	OJ990903_16.9B19.C2
Gene No.	3218	Strand	+
Start	4048	End	10488
Name	OJ990903_16.9B19.C2.o2.gs	Method	GENSCAN
Start	4048	End	10488
GI	none	Score	.61
Exons	4048..4263, 4841..4936, 5839..6277, 7846..8163, 8246..8377, 8856..8936, 10158..10300, 10345..10488		
Seq. No.	1553	Seq. ID	OJ990903_16.9B19.C2
Gene No.	3218	Strand	+
Start	4048	End	10488
Name	OJ990903_16.9B19.C2.o3.gp	Method	AAT/GAP
Start	9734	End	10002
GI	3760500	Score	515
Exons	9734..10002		
Seq. No.	1553	Seq. ID	OJ990903_16.9B19.C2
Gene No.	3219	Strand	-
Start	10590	End	10913
Name	OJ990903_16.9B19.C2.o1.tm	Method	TBLASTX:Maize
Start	5928	End	6189
GI	none	Score	277
Exons	5928..6179, 5929..6189		
Seq. No.	1553	Seq. ID	OJ990903_16.9B19.C2
Gene No.	3219	Strand	-
Start	10590	End	10913
Name	OJ990903_16.9B19.C2.o2.tm	Method	TBLASTX:Maize
Start	7917	End	9590
GI	none	Score	122
Exons	7917..8045, 7920..8096, 7924..8070, 7963..8100, 7973..8095, 8097..8159, 8097..8159, 8099..8197, 8101..8160, 8120..8185, 8228..8356, 8245..8382, 8245..8310, 8849..8944, 8849..8953, 8854..8970, 9045..9080, 9046..9090, 9046..9090, 9233..9271, 9391..9444, 9564..9590		
Seq. No.	1553	Seq. ID	OJ990903_16.9B19.C2
Gene No.	3219	Strand	-

Start	10590	End	10913
Name	OJ990903_16.9B19.C2.o3.gs	Method	GENSCAN
Start	10590	End	10913
GI	none	Score	.62
Exons	10590..10610, 10752..10913		

Seq. No.	1554	Seq. ID	OJ990903_16.9B19.C3
Gene No.	3220	Strand	-
Start	1	End	2986
Name	OJ990903_16.9B19.C3.o1.np	Method	AAT/NAP
Start	1	End	2986
GI	2586083	Score	1343
Exons	1..20, 93..1722, 1997..2364, 2440..2986		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	1554	Seq. ID	OJ990903_16.9B19.C3
Gene No.	3220	Strand	-
Start	1	End	2986
Name	OJ990903_16.9B19.C3.o1.gs	Method	GENSCAN
Start	93	End	2977
GI	none	Score	.53
Exons	93..734, 1131..1242, 1300..1507, 1890..2091, 2221..2977		

Seq. No.	1554	Seq. ID	OJ990903_16.9B19.C3
Gene No.	3221	Strand	-
Start	4807	End	6014
Name	OJ990903_16.9B19.C3.o1.tc	Method	TBLASTX:Cress
Start	94	End	5739
GI	none	Score	64
Exons	94..141, 157..327, 427..657, 832..1458, 835..1629, 841..933, 901..1230, 904..1395, 905..1153, 935..1144, 977..1156, 1171..1299, 1202..1495, 1243..1599, 1324..1575, 1324..1518, 1327..1575, 1327..1569, 1339..1575, 1358..1627, 1567..1692, 1573..1692, 1630..1692, 1669..1833, 1690..1737, 1702..1848, 1702..1848, 1708..1824, 1708..1809, 1708..1827, 1714..1833, 1818..2009, 1826..2116, 1829..2170, 1829..2194, 1829..2113, 1829..2086, 1829..2038, 1829..2098, 1829..2158, 1829..2191, 1832..2182, 1832..2170, 1850..2191, 1865..2026, 1898..2110, 1919..2191, 1919..1984, 2060..2167, 2198..2422, 2198..2404, 2210..2401, 2210..2404, 2211..2375, 2213..2404, 2213..2401, 2297..2416, 2307..2354, 2408..2734, 2411..2818, 2414..2623, 2420..2755, 2420..2728, 2420..2662, 2429..2734, 2430..2513, 2432..2764, 2483..2662, 2501..2533, 2555..2734, 2571..2672, 5077..5172, 5269..5292, 5332..5487, 5602..5739		

Seq. No.	1554	Seq. ID	OJ990903_16.9B19.C3
Gene No.	3221	Strand	-
Start	4807	End	6014
Name	OJ990903_16.9B19.C3.o1.tm	Method	TBLASTX:Maize
Start	94	End	5397
GI	none	Score	135
Exons	94..219, 95..220, 4849..4977, 5002..5172, 5003..5173, 5248..5397, 5269..5394		

Seq. No.	1554	Seq. ID	OJ990903_16.9B19.C3
Gene No.	3221	Strand	-
Start	4807	End	6014

Name	OJ990903_16.9B19.C3.o2.ts	Method	TBLASTX:Soybean
Start	157	End	5718
GI	none	Score	107
Exons	157..330, 161..322, 337..534, 344..502, 5104..5172, 5296..5523, 5330..5491, 5524..5718, 5525..5707		

Seq. No.	1554	Seq. ID	OJ990903_16.9B19.C3
Gene No.	3221	Strand	-
Start	4807	End	6014
Name	OJ990903_16.9B19.C3.o1.tw	Method	TBLASTX:Wheat
Start	190	End	5671
GI	none	Score	58
Exons	190..495, 362..496, 5362..5637, 5362..5670, 5516..5671		

Seq. No.	1554	Seq. ID	OJ990903_16.9B19.C3
Gene No.	3221	Strand	-
Start	4807	End	6014
Name	OJ990903_16.9B19.C3.o3.tm	Method	TBLASTX:Maize
Start	388	End	5746
GI	none	Score	119
Exons	388..645, 389..532, 400..651, 419..646, 5562..5657, 5563..5745, 5564..5746		

Seq. No.	1554	Seq. ID	OJ990903_16.9B19.C3
Gene No.	3221	Strand	-
Start	4807	End	6014
Name	OJ990903_16.9B19.C3.o1.ts	Method	TBLASTX:Soybean
Start	835	End	2896
GI	none	Score	61
Exons	835..1638, 836..1084, 959..1216, 1112..1588, 1702..1800, 1708..1815, 1708..1833, 1715..1789, 1829..2146, 1829..2083, 1829..2035, 1832..2194, 1832..2191, 1833..2111, 1838..2191, 1839..2012, 1842..2159, 1847..2167, 1919..2191, 2052..2174, 2204..2419, 2211..2378, 2414..2662, 2420..2734, 2420..2611, 2429..2662, 2501..2656, 2753..2896		

Seq. No.	1554	Seq. ID	OJ990903_16.9B19.C3
Gene No.	3221	Strand	-
Start	4807	End	6014
Name	OJ990903_16.9B19.C3.o2.tm	Method	TBLASTX:Maize
Start	901	End	2755
GI	none	Score	65
Exons	901..1230, 902..1132, 902..1231, 904..1518, 904..1395, 925..1269, 997..1629, 1324..1575, 1576..1692, 1576..1692, 1630..1659, 1708..1833, 1708..1800, 1708..1824, 1714..1848, 1829..2086, 1829..2170, 1829..2119, 1832..2170, 1842..2009, 1845..1958, 1865..2047, 1868..2182, 2046..2153, 2132..2182, 2213..2404, 2228..2404, 2408..2551, 2414..2755, 2420..2656, 2594..2734		

Seq. No.	1554	Seq. ID	OJ990903_16.9B19.C3
Gene No.	3221	Strand	-
Start	4807	End	6014
Name	OJ990903_16.9B19.C3.o2.tw	Method	TBLASTX:Wheat
Start	970	End	2755
GI	none	Score	67
Exons	970..1173, 1033..1239, 1105..1272, 1159..1389, 1178..1342,		

1357..1707, 1714..1794, 1829..1972, 2228..2413, 2522..2755

Seq. No.	1554	Seq. ID	OJ990903_16.9B19.C3
Gene No.	3221	Strand	-
Start	4807	End	6014
Name	OJ990903_16.9B19.C3.o2.np	Method	AAT/NAP
Start	4798	End	6014
GI	2586083	Score	466
Exons	4798..5171, 5268..6014		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	1554	Seq. ID	OJ990903_16.9B19.C3
Gene No.	3221	Strand	-
Start	4807	End	6014
Name	OJ990903_16.9B19.C3.o2.gs	Method	GENSCAN
Start	4807	End	5685
GI	none	Score	.71
Exons	4807..5171, 5268..5685		

Seq. No.	1555	Seq. ID	OJ990903_16.9B19.C4
Gene No.	3222	Strand	+
Start	1	End	280
Name	OJ990903_16.9B19.C4.o1.np	Method	AAT/NAP
Start	1	End	280
GI	6693013	Score	112
Exons	1..280		
GI Descrip.	(AC012375) T22C5.3 [Arabidopsis thaliana]		

Seq. No.	1556	Seq. ID	OJ990903_16.9B19.C5
Gene No.	3223	Strand	+
Start	1	End	1527
Name	OJ990903_16.9B19.C5.o1.np	Method	AAT/NAP
Start	1	End	817
GI	6693013	Score	165
Exons	1..628, 710..817		
GI Descrip.	(AC012375) T22C5.3 [Arabidopsis thaliana]		

Seq. No.	1556	Seq. ID	OJ990903_16.9B19.C5
Gene No.	3223	Strand	+
Start	1	End	1527
Name	OJ990903_16.9B19.C5.o1.gs	Method	GENSCAN
Start	62	End	1527
GI	none	Score	.84
Exons	62..628, 710..1300, 1462..1527		

Seq. No.	1557	Seq. ID	OJ990903_16.9B19.C6
Gene No.	3224	Strand	+
Start	1	End	2634
Name	OJ990903_16.9B19.C6.o1.np	Method	AAT/NAP
Start	1	End	2634
GI	6693013	Score	415
Exons	1..50, 147..389, 717..794, 862..1002, 1673..1982, 2067..2177, 2470..2530, 2567..2634		
GI Descrip.	(AC012375) T22C5.3 [Arabidopsis thaliana]		

Seq. No.	1557	Seq. ID	OJ990903_16.9B19.C6
Gene No.	3224	Strand	+

Start	1	End	2634
Name	OJ990903_16.9B19.C6.ol.gs	Method	GENSCAN
Start	147	End	2346
GI	none	Score	.81
Exons	147..389, 862..1002, 1670..1840, 1920..2093, 2263..2346		

Seq. No.	1557	Seq. ID	OJ990903_16.9B19.C6
Gene No.	3224	Strand	+
Start	1	End	2634
Name	OJ990903_16.9B19.C6.ol.tc	Method	TBLASTX:Cress
Start	158	End	2171
GI	none	Score	204
Exons	158..256, 165..398, 296..385, 711..788, 862..981, 1778..1840, 1929..1988, 2058..2171		

Seq. No.	1557	Seq. ID	OJ990903_16.9B19.C6
Gene No.	3224	Strand	+
Start	1	End	2634
Name	OJ990903_16.9B19.C6.ol.tm	Method	TBLASTX:Maize
Start	252	End	2121
GI	none	Score	187
Exons	252..389, 253..384, 254..385, 258..395, 690..773, 690..767, 692..775, 858..1001, 861..1001, 862..1005, 1671..1835, 1675..1848, 1676..1840, 1917..1988, 1919..1981, 2058..2117, 2059..2121, 2060..2116		

Seq. No.	1557	Seq. ID	OJ990903_16.9B19.C6
Gene No.	3224	Strand	+
Start	1	End	2634
Name	OJ990903_16.9B19.C6.ol.gp	Method	AAT/GAP
Start	305	End	2300
GI	34069_1.R1084	Score	1355
Exons	305..389, 717..1003, 1673..1840, 1920..1982, 2067..2177, 2263..2300		
GI Descrip.	'5668770/gb AAD45997.1 AC005916_9 1.0e-31 (AC005916) T17H3.9 [Arabidopsis thaliana]'		

Seq. No.	1558	Seq. ID	OJ990903_16.9B19.C9
Gene No.	3225	Strand	+
Start	1	End	571
Name	OJ990903_16.9B19.C9.ol.gp	Method	AAT/GAP
Start	1	End	74
GI	LIB3432-043-P1-K1-B3	Score	148
Exons	1..74		
GI Descrip.	'5816991/emb CAB53646.1 4.0e-18 (AL110123) multidrug resistance protein/P-glycoprotein-like [Arabidopsis thaliana]'		

Seq. No.	1558	Seq. ID	OJ990903_16.9B19.C9
Gene No.	3225	Strand	+
Start	1	End	571
Name	OJ990903_16.9B19.C9.ol.np	Method	AAT/NAP
Start	1	End	571
GI	4558551	Score	357
Exons	1..239, 325..571		
GI Descrip.	(AC007138) P-glycoprotein-like protein [Arabidopsis thaliana]		

Seq. No.	1558	Seq. ID	OJ990903_16.9B19.C9
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Gene No. 3225
 Start 1
 Name OJ990903_16.9B19.C9.ol.ts
 Start 1
 GI none
 Exons 1..99, 130..237, 323..556

Strand +
 End 571
 Method TBLASTX:Soybean
 End 556
 Score 88

Seq. No. 1558
 Gene No. 3225
 Start 1
 Name OJ990903_16.9B19.C9.ol.gs
 Start 4
 GI none
 Exons 4..239, 325..493

Seq. ID OJ990903_16.9B19.C9
 Strand +
 End 571
 Method GENSCAN
 End 493
 Score .55

Seq. No. 1558
 Gene No. 3225
 Start 1
 Name OJ990903_16.9B19.C9.ol.tm
 Start 70
 GI none
 Exons 70..237, 322..501, 323..556

Seq. ID OJ990903_16.9B19.C9
 Strand +
 End 571
 Method TBLASTX:Maize
 End 556
 Score 129

Seq. No. 1559
 Gene No. 3226
 Start 1
 Name OJ990903_16.9B19.C12.ol.np
 Start 1
 GI 5295971
 Exons 1..1515

Seq. ID OJ990903_16.9B19.C12
 Strand +
 End 1515
 Method AAT/NAP
 End 1515
 Score 2010

GI Descrip. (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]

Seq. No. 1559
 Gene No. 3227
 Start 3196
 Name OJ990903_16.9B19.C12.ol.tm
 Start 321
 GI none
 Exons 321..638, 322..537, 324..638

Seq. ID OJ990903_16.9B19.C12
 Strand -
 End 3795
 Method TBLASTX:Maize
 End 638
 Score 218

Seq. No. 1559
 Gene No. 3227
 Start 3196
 Name OJ990903_16.9B19.C12.ol.tw
 Start 563
 GI none
 Exons 563..868, 564..929, 567..944, 924..1016, 936..1016

Seq. ID OJ990903_16.9B19.C12
 Strand -
 End 3795
 Method TBLASTX:Wheat
 End 1016
 Score 342

Seq. No. 1559
 Gene No. 3227
 Start 3196
 Name OJ990903_16.9B19.C12.o3.tm
 Start 653
 GI none
 Exons 653..892, 654..893

Seq. ID OJ990903_16.9B19.C12
 Strand -
 End 3795
 Method TBLASTX:Maize
 End 893
 Score 309

Seq. No.	1559	Seq. ID	OJ990903_16.9B19.C12
Gene No.	3227	Strand	-
Start	3196	End	3795
Name	OJ990903_16.9B19.C12.o2.ts	Method	TBLASTX:Soybean
Start	954	End	1229
GI	none	Score	195
Exons	954..1229, 1050..1130		

Seq. No.	1559	Seq. ID	OJ990903_16.9B19.C12
Gene No.	3227	Strand	-
Start	3196	End	3795
Name	OJ990903_16.9B19.C12.o2.tw	Method	TBLASTX:Wheat
Start	1089	End	1496
GI	none	Score	111
Exons	1089..1229, 1287..1496, 1304..1453		

Seq. No.	1559	Seq. ID	OJ990903_16.9B19.C12
Gene No.	3227	Strand	-
Start	3196	End	3795
Name	OJ990903_16.9B19.C12.o2.tm	Method	TBLASTX:Maize
Start	1292	End	1499
GI	none	Score	328
Exons	1292..1498, 1296..1499		

Seq. No.	1559	Seq. ID	OJ990903_16.9B19.C12
Gene No.	3227	Strand	-
Start	3196	End	3795
Name	OJ990903_16.9B19.C12.o1.ts	Method	TBLASTX:Soybean
Start	1323	End	1499
GI	none	Score	198
Exons	1323..1499, 1328..1498		

Seq. No.	1559	Seq. ID	OJ990903_16.9B19.C12
Gene No.	3227	Strand	-
Start	3196	End	3795
Name	OJ990903_16.9B19.C12.o2.gs	Method	GENSCAN
Start	3196	End	3795
GI	none	Score	1
Exons	3196..3795		

Seq. No.	1560	Seq. ID	OJ990903_16.9B19.C13
Gene No.	3228	Strand	-
Start	498	End	1150
Name	OJ990903_16.9B19.C13.o1.gs	Method	GENSCAN
Start	498	End	1143
GI	none	Score	.52
Exons	498..848, 991..1143		

Seq. No.	1560	Seq. ID	OJ990903_16.9B19.C13
Gene No.	3228	Strand	-
Start	498	End	1150
Name	OJ990903_16.9B19.C13.o1.np	Method	AAT/NAP
Start	498	End	1143
GI	3522943	Score	755
Exons	498..1143		
GI Descrip.	(AC004411) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	1560	Seq. ID	OJ990903_16.9B19.C13
Gene No.	3228	Strand	-
Start	498	End	1150
Name	OJ990903_16.9B19.C13.ol.ts	Method	TBLASTX:Soybean
Start	501	End	1150
GI	none	Score	100
Exons	501..545, 543..755, 544..753, 670..768, 753..860, 757..849, 847..930, 883..1146, 935..1150		

Seq. No.	1560	Seq. ID	OJ990903_16.9B19.C13
Gene No.	3228	Strand	-
Start	498	End	1150
Name	OJ990903_16.9B19.C13.ol.tc	Method	TBLASTX:Cress
Start	507	End	1146
GI	none	Score	207
Exons	507..860, 516..932, 517..858, 574..900, 904..1146, 910..1140, 920..1138, 932..1144, 1037..1144		

Seq. No.	1560	Seq. ID	OJ990903_16.9B19.C13
Gene No.	3228	Strand	-
Start	498	End	1150
Name	OJ990903_16.9B19.C13.ol.tm	Method	TBLASTX:Maize
Start	510	End	1150
GI	none	Score	271
Exons	510..851, 511..849, 511..855, 534..857, 847..1146, 866..1150, 923..1144, 1065..1145		

Seq. No.	1560	Seq. ID	OJ990903_16.9B19.C13
Gene No.	3228	Strand	-
Start	498	End	1150
Name	OJ990903_16.9B19.C13.ol.tw	Method	TBLASTX:Wheat
Start	591	End	839
GI	none	Score	189
Exons	591..839, 592..831		

Seq. No.	1561	Seq. ID	OJ990903_16.9B19.C14
Gene No.	3229	Strand	-
Start	1	End	665
Name	OJ990903_16.9B19.C14.ol.gp	Method	AAT/GAP
Start	1	End	401
GI	LIB3432-043-P1-K1-B3	Score	704
Exons	1..401		
GI Descrip.	'5816991/emb CAB53646.1 4.0e-18 (AL110123) multidrug resistance protein/P-glycoprotein-like [Arabidopsis thaliana]'		

Seq. No.	1561	Seq. ID	OJ990903_16.9B19.C14
Gene No.	3229	Strand	-
Start	1	End	665
Name	OJ990903_16.9B19.C14.ol.np	Method	AAT/NAP
Start	1	End	665
GI	3522943	Score	307
Exons	1..408, 515..665		
GI Descrip.	(AC004411) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	1561	Seq. ID	OJ990903_16.9B19.C14
Gene No.	3229	Strand	-

Start	1	End	665
Name	OJ990903_16.9B19.C14.o1.gs	Method	GENSCAN
Start	245	End	408
GI	none	Score	.65
Exons	245..408		

Seq. No.	1561	Seq. ID	OJ990903_16.9B19.C14
Gene No.	3229	Strand	-
Start	1	End	665
Name	OJ990903_16.9B19.C14.o1.ts	Method	TBLASTX:Soybean
Start	332	End	663
GI	none	Score	36
Exons	332..409, 346..387, 363..425, 503..616, 529..663, 532..663		

Seq. No.	1561	Seq. ID	OJ990903_16.9B19.C14
Gene No.	3229	Strand	-
Start	1	End	665
Name	OJ990903_16.9B19.C14.o1.tc	Method	TBLASTX:Cress
Start	341	End	663
GI	none	Score	59
Exons	341..409, 344..409, 529..663, 529..663, 542..610		

Seq. No.	1561	Seq. ID	OJ990903_16.9B19.C14
Gene No.	3229	Strand	-
Start	1	End	665
Name	OJ990903_16.9B19.C14.o1.tm	Method	TBLASTX:Maize
Start	344	End	663
GI	none	Score	63
Exons	344..409, 529..663, 535..663		

Seq. No.	1562	Seq. ID	OJ990903_16.9B19.C15
Gene No.	3230	Strand	+
Start	536	End	610
Name	OJ990903_16.9B19.C15.o1.gs	Method	GENSCAN
Start	536	End	610
GI	none	Score	.95
Exons	536..610		

Seq. No.	1563	Seq. ID	OJ990903_16.9B19.C16
Gene No.	3231	Strand	-
Start	1	End	7746
Name	OJ990903_16.9B19.C16.o1.np	Method	AAT/NAP
Start	1	End	7555
GI	3522943	Score	884
Exons	1..240, 872..1110, 1220..1441, 2044..2219, 2877..2931, 7241..7555		

GI Descrip. (AC004411) putative ABC transporter [Arabidopsis thaliana]

Seq. No.	1563	Seq. ID	OJ990903_16.9B19.C16
Gene No.	3231	Strand	-
Start	1	End	7746
Name	OJ990903_16.9B19.C16.o1.ts	Method	TBLASTX:Soybean
Start	3	End	236
GI	none	Score	153
Exons	3..236, 4..234		

Seq. No.	1563	Seq. ID	OJ990903_16.9B19.C16
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Gene No.	3231	Strand	-
Start	1	End	7746
Name	OJ990903_16.9B19.C16.o1.gs	Method	GENSCAN
Start	11	End	7746
GI	none	Score	.69
Exons	11..240, 872..973, 1220..1314, 2044..2219, 2877..2948, 5276..5384, 7241..7491, 7541..7746		

Seq. No.	1563	Seq. ID	OJ990903_16.9B19.C16
Gene No.	3231	Strand	-
Start	1	End	7746
Name	OJ990903_16.9B19.C16.o2.ts	Method	TBLASTX:Soybean
Start	871	End	1113
GI	none	Score	201
Exons	871..1113		

Seq. No.	1564	Seq. ID	OJ990903_16.9B19.C17
Gene No.	3232	Strand	+
Start	218	End	599
Name	OJ990903_16.9B19.C17.o1.gs	Method	GENSCAN
Start	218	End	599
GI	none	Score	.9
Exons	218..308, 424..599		

Seq. No.	1565	Seq. ID	OJ990903_16.9B19.C19
Gene No.	3233	Strand	+
Start	2187	End	10445
Name	OJ990903_16.9B19.C19.o1.gs	Method	GENSCAN
Start	2187	End	10445
GI	none	Score	.73
Exons	2187..2611, 3070..3245, 3540..3669, 4066..4245, 4634..4825, 5642..6179, 6406..6430, 6538..6659, 6757..6843, 7185..7301, 8069..8164, 8270..8314, 8403..8492, 8978..9102, 9468..9627, 9746..9899, 10399..10445		

Seq. No.	1565	Seq. ID	OJ990903_16.9B19.C19
Gene No.	3233	Strand	+
Start	2187	End	10445
Name	OJ990903_16.9B19.C19.o1.np	Method	AAT/NAP
Start	6042	End	9103
GI	1346033	Score	997
Exons	6042..6179, 6406..6430, 6538..6659, 6757..6843, 7185..7301, 7382..7470, 7607..7658, 8069..8164, 8270..8314, 8403..8492, 8573..8644, 8978..9103		
GI Descrip.	FARNESYL PYROPHOSPHATE SYNTHETASE (FPP SYNTHETASE) (FPS) (FARNESYL DIPHOSPHATE SYNTHETASE) [INCLUDES: DIMETHYLALLYLTRANSFERASE ; GERANYLTRANSTRANSFERASE] gi 662368 (L39789) farnesyl pyrophosphate synthetase [Zea mays]		

Seq. No.	1565	Seq. ID	OJ990903_16.9B19.C19
Gene No.	3233	Strand	+
Start	2187	End	10445
Name	OJ990903_16.9B19.C19.o2.gp	Method	AAT/GAP
Start	8568	End	9151
GI	2796691	Score	414
Exons	8568..8644, 8978..9151		
GI Descrip.	2073375/dbj BAA19856 4.0e-18 (D85317) farnesyl pyrophosphate		

synthase [Oryza sativa] >gi_4063829_dbj_BAA36276_ (AB021747)
farnesyl diphosphate synthase [Oryza sativa]

Seq. No.	1565	Seq. ID	OJ990903_16.9B19.C19
Gene No.	3234	Strand	-
Start	10515	End	13555
Name	OJ990903_16.9B19.C19.o2.tm	Method	TBLASTX:Maize
Start	2183	End	3025
GI	none	Score	88
Exons	2183..2272, 2186..2296, 2187..2300, 2334..2555, 2373..2531, 2611..2652, 2612..2650, 2923..3024, 2933..3025		

Seq. No.	1565	Seq. ID	OJ990903_16.9B19.C19
Gene No.	3234	Strand	-
Start	10515	End	13555
Name	OJ990903_16.9B19.C19.o1.tc	Method	TBLASTX:Cress
Start	6099	End	9120
GI	none	Score	74
Exons	6099..6176, 6400..6441, 6537..6587, 6599..6661, 6609..6662, 6757..6861, 6762..6845, 7170..7316, 7184..7312, 7381..7458, 7382..7474, 7608..7661, 8069..8164, 8267..8323, 8267..8323, 8345..8476, 8394..8492, 8400..8477, 8566..8640, 8567..8644, 8570..8644, 8972..9109, 8980..9120, 8981..9106		

Seq. No.	1565	Seq. ID	OJ990903_16.9B19.C19
Gene No.	3234	Strand	-
Start	10515	End	13555
Name	OJ990903_16.9B19.C19.o1.ts	Method	TBLASTX:Soybean
Start	6099	End	7473
GI	none	Score	89
Exons	6099..6176, 6399..6440, 6400..6441, 6536..6598, 6537..6614, 6609..6662, 6612..6680, 6756..6845, 6756..6845, 6757..6846, 7170..7304, 7184..7306, 7381..7473, 7382..7465		

Seq. No.	1565	Seq. ID	OJ990903_16.9B19.C19
Gene No.	3234	Strand	-
Start	10515	End	13555
Name	OJ990903_16.9B19.C19.o1.tm	Method	TBLASTX:Maize
Start	6629	End	9128
GI	none	Score	60
Exons	6629..6661, 6630..6662, 6756..6845, 6757..6846, 7170..7304, 7182..7271, 7184..7306, 7381..7470, 7382..7474, 7614..7661, 8067..8165, 8069..8164, 8253..8312, 8266..8325, 8267..8338, 8400..8492, 8401..8493, 8402..8494, 8567..8644, 8572..8640, 8975..9106, 8980..9105, 8985..9128		

Seq. No.	1565	Seq. ID	OJ990903_16.9B19.C19
Gene No.	3234	Strand	-
Start	10515	End	13555
Name	OJ990903_16.9B19.C19.o2.np	Method	AAT/NAP
Start	10515	End	13555
GI	3157941	Score	385
Exons	10515..10676, 11095..11241, 12956..13078, 13171..13252, 13363..13555		

GI Descrip. (AC002131) Contains similarity to hypothetical protein gb|U95973
from A. thaliana. [Arabidopsis thaliana]

Seq. No.	1565	Seq. ID	OJ990903_16.9B19.C19
Gene No.	3234	Strand	-
Start	10515	End	13555
Name	OJ990903_16.9B19.C19.o3.gp	Method	AAT/GAP
Start	10623	End	13398
GI	LIB3434-035-P1-K1-G6	Score	908
Exons	10623..10676, 11095..11241, 11342..11407, 11638..11671, 12096..12137, 12998..13078, 13171..13252, 13363..13398		
GI Descrip.	'2073375/dbj BAA19856 4.0e-18 (D85317) farnesyl pyrophosphate synthase [Oryza sativa] >gi_4063829_dbj_BAA36276_ (AB021747) farnesyl diphosphate synthase [Oryza sativa]'		

Seq. No.	1565	Seq. ID	OJ990903_16.9B19.C19
Gene No.	3234	Strand	-
Start	10515	End	13555
Name	OJ990903_16.9B19.C19.o2.gs	Method	GENSCAN
Start	11033	End	13434
GI	none	Score	.8
Exons	11033..11047, 11095..11241, 11342..11407, 11638..11676, 12096..12137, 12998..13078, 13171..13252, 13363..13434		

Seq. No.	1565	Seq. ID	OJ990903_16.9B19.C19
Gene No.	3234	Strand	-
Start	10515	End	13555
Name	OJ990903_16.9B19.C19.o3.tm	Method	TBLASTX:Maize
Start	11038	End	11409
GI	none	Score	107
Exons	11038..11190, 11091..11207, 11092..11241, 11096..11242, 11306..11407, 11307..11408, 11343..11408, 11344..11409		

Seq. No.	1565	Seq. ID	OJ990903_16.9B19.C19
Gene No.	3234	Strand	-
Start	10515	End	13555
Name	OJ990903_16.9B19.C19.o2.ts	Method	TBLASTX:Soybean
Start	11292	End	13437
GI	none	Score	70
Exons	11292..11399, 11297..11398, 12998..13081, 13000..13086, 13156..13281, 13177..13251, 13363..13437, 13365..13436		

Seq. No.	1565	Seq. ID	OJ990903_16.9B19.C19
Gene No.	3234	Strand	-
Start	10515	End	13555
Name	OJ990903_16.9B19.C19.o4.tm	Method	TBLASTX:Maize
Start	13159	End	13451
GI	none	Score	84
Exons	13159..13254, 13162..13251, 13175..13252, 13360..13434, 13361..13444, 13364..13444, 13365..13451, 13365..13451		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3235	Strand	+
Start	8722	End	11962
Name	OJ990903_16.9B19.C20.o3.gs	Method	GENSCAN
Start	8722	End	11962
GI	none	Score	.69
Exons	8722..8861, 8863..8998, 9097..9204, 9617..10469, 11295..11483, 11742..11962		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3236	Strand	-
Start	308	End	999
Name	OJ990903_16.9B19.C20.o1.gs	Method	GENSCAN
Start	308	End	999
GI	none	Score	.94
Exons	308..408, 516..696, 698..999		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3237	Strand	-
Start	2367	End	7475
Name	OJ990903_16.9B19.C20.o2.gs	Method	GENSCAN
Start	2367	End	7475
GI	none	Score	.77
Exons	2367..2410, 2637..2813, 3275..3332, 3422..3496, 3602..3655, 3750..3911, 4189..4469, 4567..4708, 4793..4903, 5125..5268, 5474..5611, 5757..5894, 6924..6986, 7098..7225, 7445..7475		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3237	Strand	-
Start	2367	End	7475
Name	OJ990903_16.9B19.C20.o1.gp	Method	AAT/GAP
Start	2949	End	3211
GI	5607393	Score	501
Exons	2949..3211		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3237	Strand	-
Start	2367	End	7475
Name	OJ990903_16.9B19.C20.o1.np	Method	AAT/NAP
Start	3237	End	4867
GI	6692724	Score	1112
Exons	3237..3332, 3422..3496, 3602..3655, 3750..3911, 4189..4469, 4567..4708, 4793..4867		
GI Descrip.	(AC012679) putative S-adenosyl-methionine-sterol-C-methyltransferase, 5' partial [Arabidopsis thaliana]		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3237	Strand	-
Start	2367	End	7475
Name	OJ990903_16.9B19.C20.o2.gp	Method	AAT/GAP
Start	3588	End	5235
GI	8157_1.R1084	Score	1556
Exons	3588..3655, 3750..3911, 4189..4469, 4567..4708, 4793..4903, 5125..5235		
GI Descrip.	'1458245 9.0e-39 (U64834) coded for by C. elegans cDNA cm17a1; coded for by C. elegans cDNA cm7g1; coded for by C. elegans cDNA CEMSE26F; similar to methyltransferases [Caenorhabditis elegans]'		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3237	Strand	-
Start	2367	End	7475
Name	OJ990903_16.9B19.C20.o2.np	Method	AAT/NAP
Start	5121	End	7302
GI	1055130	Score	204

Exons 5121..5268, 5474..5611, 5757..5894, 7098..7193, 7268..7302
 GI Descrip. (U39998) coded for by C. elegans cDNA yk92b11.3; coded for by C. elegans cDNA yk92b11.5; coded for by C. elegans cDNA yk78c2.5; coded for by C. elegans cDNA cm9a8; coded for by C. elegans cDNA yk66h8.3; coded for by C. elegans cDNA yk78c2.3 ...

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3238	Strand	-
Start	13037	End	13340
Name	OJ990903_16.9B19.C20.o3.gp	Method	AAT/GAP
Start	12754	End	13189
GI	LIB3477-009-P1-K1-A7	Score	864
Exons	12754..13189		
GI Descrip.	'3785989 8.0e-14 (AC005560) unknown protein [Arabidopsis thaliana]'		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3238	Strand	-
Start	13037	End	13340
Name	OJ990903_16.9B19.C20.o4.np	Method	AAT/NAP
Start	12998	End	13340
GI	6598511	Score	77
Exons	12998..13340		
GI Descrip.	(AC006069) unknown protein [Arabidopsis thaliana]		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3238	Strand	-
Start	13037	End	13340
Name	OJ990903_16.9B19.C20.o4.gs	Method	GENSCAN
Start	13037	End	13336
GI	none	Score	.95
Exons	13037..13336		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3239	Strand	-
Start	13286	End	13340
Name	OJ990903_16.9B19.C20.o2.tc	Method	TBLASTX:Cress
Start	308	End	804
GI	none	Score	77
Exons	308..412, 310..417, 513..629, 514..630, 736..804, 740..799		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3239	Strand	-
Start	13286	End	13340
Name	OJ990903_16.9B19.C20.o2.ts	Method	TBLASTX:Soybean
Start	308	End	805
GI	none	Score	86
Exons	308..409, 310..417, 511..633, 513..635, 736..804, 740..805		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3239	Strand	-
Start	13286	End	13340
Name	OJ990903_16.9B19.C20.o3.tm	Method	TBLASTX:Maize
Start	319	End	805
GI	none	Score	79
Exons	319..411, 322..417, 513..626, 514..624, 736..804, 737..805		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3239	Strand	-
Start	13286	End	13340
Name	OJ990903_16.9B19.C20.o1.tc	Method	TBLASTX:Cress
Start	3235	End	5892
GI	none	Score	92
Exons	3235..3333, 3240..3341, 3422..3499, 3596..3658, 3603..3656, 3736..3912, 3744..3917, 4189..4251, 4193..4252, 4228..4461, 4240..4470, 4241..4471, 4564..4653, 4571..4711, 4572..4709, 4572..4712, 4790..4903, 4818..4907, 4993..5031, 5122..5268, 5123..5269, 5471..5611, 5472..5615, 5473..5613, 5757..5879, 5758..5892		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3239	Strand	-
Start	13286	End	13340
Name	OJ990903_16.9B19.C20.o1.tm	Method	TBLASTX:Maize
Start	3235	End	7208
GI	none	Score	136
Exons	3235..3333, 3237..3341, 3422..3544, 3422..3499, 3596..3658, 3602..3658, 3718..3915, 3744..3917, 4187..4471, 4189..4470, 4568..4711, 4569..4709, 4606..4719, 4790..4906, 4790..4903, 4993..5034, 5102..5278, 5122..5268, 5471..5611, 5472..5615, 5473..5616, 5473..5613, 5757..5879, 5758..5895, 5758..5895, 7092..7208, 7098..7163, 7144..7197		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3239	Strand	-
Start	13286	End	13340
Name	OJ990903_16.9B19.C20.o1.ts	Method	TBLASTX:Soybean
Start	3240	End	4906
GI	none	Score	79
Exons	3240..3341, 3605..3658, 3744..3917, 3784..3912, 4176..4469, 4189..4470, 4193..4474, 4205..4471, 4209..4475, 4568..4711, 4572..4709, 4790..4903, 4793..4906		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3239	Strand	-
Start	13286	End	13340
Name	OJ990903_16.9B19.C20.o1.tw	Method	TBLASTX:Wheat
Start	3837	End	5269
GI	none	Score	54
Exons	3837..3881, 4432..4470, 4436..4471, 4571..4711, 4572..4709, 4758..4904, 4790..4906, 4790..4903, 4993..5034, 5114..5269, 5122..5268, 5123..5269		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3239	Strand	-
Start	13286	End	13340
Name	OJ990903_16.9B19.C20.o3.ts	Method	TBLASTX:Soybean
Start	5158	End	7238
GI	none	Score	120
Exons	5158..5268, 5159..5269, 5471..5611, 5472..5615, 5474..5626, 5757..5879, 5758..5889, 5767..5883, 7092..7238, 7095..7163		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3239	Strand	-

Start	13286	End	13340
Name	OJ990903_16.9B19.C20.o2.tm	Method	TBLASTX:Maize
Start	13034	End	13340
GI	none	Score	168
Exons	13034..13339, 13037..13165, 13224..13340, 13238..13339		

Seq. No.	1566	Seq. ID	OJ990903_16.9B19.C20
Gene No.	3239	Strand	-
Start	13286	End	13340
Name	OJ990903_16.9B19.C20.o4.gp	Method	AAT/GAP
Start	13286	End	13340
GI	700508	Score	110
Exons	13286..13340		
GI Descrip.	3785989 8.0e-14 (AC005560) unknown protein [Arabidopsis thaliana]		

Seq. No.	1567	Seq. ID	OJ990903_16.9B19.C21
Gene No.	3240	Strand	-
Start	659	End	1919
Name	OJ990903_16.9B19.C21.o1.np	Method	AAT/NAP
Start	659	End	1919
GI	6598511	Score	327
Exons	659..806, 895..970, 1045..1217, 1503..1572, 1668..1748, 1839..1919		
GI Descrip.	(AC006069) unknown protein [Arabidopsis thaliana]		

Seq. No.	1567	Seq. ID	OJ990903_16.9B19.C21
Gene No.	3240	Strand	-
Start	659	End	1919
Name	OJ990903_16.9B19.C21.o1.tm	Method	TBLASTX:Maize
Start	676	End	1907
GI	none	Score	104
Exons	676..777, 713..802, 731..799, 892..960, 896..970, 896..970, 1103..1228, 1438..1599, 1485..1574, 1495..1599, 1668..1748, 1669..1749, 1669..1749, 1670..1750, 1839..1907, 1839..1907		

Seq. No.	1567	Seq. ID	OJ990903_16.9B19.C21
Gene No.	3240	Strand	-
Start	659	End	1919
Name	OJ990903_16.9B19.C21.o1.gp	Method	AAT/GAP
Start	677	End	965
GI	700508	Score	332
Exons	677..812, 895..965		
GI Descrip.	3785989 8.0e-14 (AC005560) unknown protein [Arabidopsis thaliana]		

Seq. No.	1567	Seq. ID	OJ990903_16.9B19.C21
Gene No.	3240	Strand	-
Start	659	End	1919
Name	OJ990903_16.9B19.C21.o1.gs	Method	GENSCAN
Start	685	End	1548
GI	none	Score	.89
Exons	685..812, 895..970, 1045..1224, 1495..1548		

Seq. No.	1567	Seq. ID	OJ990903_16.9B19.C21
Gene No.	3240	Strand	-
Start	659	End	1919

Name	OJ990903_16.9B19.C21.ol.ts	Method	TBLASTX:Soybean
Start	1507	End	1907
GI	none	Score	69
Exons	1507..1596, 1514..1573, 1668..1748, 1669..1749, 1839..1907, 1839..1907		

Seq. No.	1567	Seq. ID	OJ990903_16.9B19.C21
Gene No.	3240	Strand	-
Start	659	End	1919
Name	OJ990903_16.9B19.C21.ol.tc	Method	TBLASTX:Cress
Start	1507	End	1907
GI	none	Score	76
Exons	1507..1599, 1514..1573, 1668..1748, 1669..1749, 1677..1751, 1839..1907, 1839..1907		

Seq. No.	1568	Seq. ID	OJ990903_16.9B19.C22
Gene No.	3241	Strand	-
Start	1	End	369
Name	OJ990903_16.9B19.C22.ol.np	Method	AAT/NAP
Start	1	End	368
GI	6598511	Score	295
Exons	1..154, 230..368		
GI Descrip.	(AC006069) unknown protein [Arabidopsis thaliana]		

Seq. No.	1568	Seq. ID	OJ990903_16.9B19.C22
Gene No.	3241	Strand	-
Start	1	End	369
Name	OJ990903_16.9B19.C22.ol.tw	Method	TBLASTX:Wheat
Start	24	End	321
GI	none	Score	135
Exons	24..152, 26..154, 27..155, 28..156, 231..320, 231..320, 235..321		

Seq. No.	1568	Seq. ID	OJ990903_16.9B19.C22
Gene No.	3241	Strand	-
Start	1	End	369
Name	OJ990903_16.9B19.C22.ol.tc	Method	TBLASTX:Cress
Start	26	End	369
GI	none	Score	81
Exons	26..154, 27..155, 27..155, 49..156, 228..368, 231..368, 235..369		

Seq. No.	1568	Seq. ID	OJ990903_16.9B19.C22
Gene No.	3241	Strand	-
Start	1	End	369
Name	OJ990903_16.9B19.C22.ol.tm	Method	TBLASTX:Maize
Start	26	End	369
GI	none	Score	135
Exons	26..151, 27..155, 27..155, 28..156, 227..367, 228..368, 231..368, 235..369		

Seq. No.	1568	Seq. ID	OJ990903_16.9B19.C22
Gene No.	3241	Strand	-
Start	1	End	369
Name	OJ990903_16.9B19.C22.ol.gs	Method	GENSCAN
Start	27	End	368
GI	none	Score	.88
Exons	27..154, 230..368		

Seq. No.	1569	Seq. ID	OJ990903_16.9B19.C23
Gene No.	3242	Strand	+
Start	1637	End	5136
Name	OJ990903_16.9B19.C23.o2.gs	Method	GENSCAN
Start	1637	End	5136
GI	none	Score	.61
Exons	1637..1681, 1917..1988, 2242..2440, 2584..2608, 2776..3014, 3032..3262, 3268..3317, 3356..3753, 4066..4143, 4473..5136		

Seq. No.	1569	Seq. ID	OJ990903_16.9B19.C23
Gene No.	3242	Strand	+
Start	1637	End	5136
Name	OJ990903_16.9B19.C23.o2.np	Method	AAT/NAP
Start	2696	End	4202
GI	5091497	Score	202
Exons	2696..3595, 3831..4202		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana mRNA for DREB1B, complete cds.(AB007788) [Oryza sativa]		

Seq. No.	1569	Seq. ID	OJ990903_16.9B19.C23
Gene No.	3243	Strand	-
Start	1	End	632
Name	OJ990903_16.9B19.C23.o1.np	Method	AAT/NAP
Start	1	End	632
GI	6598511	Score	272
Exons	1..94, 293..362, 543..632		
GI Descrip.	(AC006069) unknown protein [Arabidopsis thaliana]		

Seq. No.	1569	Seq. ID	OJ990903_16.9B19.C23
Gene No.	3243	Strand	-
Start	1	End	632
Name	OJ990903_16.9B19.C23.o1.gs	Method	GENSCAN
Start	293	End	632
GI	none	Score	.73
Exons	293..362, 543..632		

Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3244	Strand	+
Start	497	End	6012
Name	OJ990903_16.9B19.C24.o1.gs	Method	GENSCAN
Start	497	End	5965
GI	none	Score	.59
Exons	497..664, 718..1424, 1442..1578, 1687..1902, 1960..3089, 3153..3526, 3663..4320, 4346..4628, 4847..5548, 5652..5965		

Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3244	Strand	+
Start	497	End	6012
Name	OJ990903_16.9B19.C24.o1.np	Method	AAT/NAP
Start	1241	End	6012
GI	6498441	Score	5418
Exons	1241..2304, 2626..3089, 3153..3526, 3663..3797, 3972..4642, 4814..5669, 5983..6012		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3245	Strand	+
Start	13858	End	14880
Name	OJ990903_16.9B19.C24.o4.gs	Method	GENSCAN
Start	13858	End	14880
GI	none	Score	.95
Exons	13858..13927, 14077..14298, 14756..14880		
Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3246	Strand	+
Start	15802	End	19286
Name	OJ990903_16.9B19.C24.o5.gs	Method	GENSCAN
Start	15802	End	19286
GI	none	Score	.89
Exons	15802..15961, 19183..19286		
Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3247	Strand	+
Start	19823	End	20260
Name	OJ990903_16.9B19.C24.o1.gp	Method	AAT/GAP
Start	19823	End	20260
GI	7406_1.R1084	Score	580
Exons	19823..20151, 20186..20260		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		
Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3248	Strand	+
Start	24674	End	24731
Name	OJ990903_16.9B19.C24.o5.gp	Method	AAT/GAP
Start	24674	End	24731
GI	7406_1.R1084	Score	84
Exons	24674..24731		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		
Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3249	Strand	-
Start	6588	End	11730
Name	OJ990903_16.9B19.C24.o2.gs	Method	GENSCAN
Start	6588	End	9813
GI	none	Score	.73
Exons	6588..8448, 8552..8695, 8918..9441, 9487..9813		
Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3249	Strand	-
Start	6588	End	11730
Name	OJ990903_16.9B19.C24.o2.np	Method	AAT/NAP
Start	6591	End	9813
GI	6907089	Score	4409
Exons	6591..8448, 8552..9813		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3249	Strand	-
Start	6588	End	11730
Name	OJ990903_16.9B19.C24.o3.np	Method	AAT/NAP

Start	8823	End	11730
GI	5922623	Score	153
Exons	8823..8841, 10625..10701, 10889..11053, 11656..11730		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3250	Strand	-
Start	19577	End	24731
Name	OJ990903_16.9B19.C24.o5.tm	Method	TBLASTX:Maize
Start	1431	End	1679
GI	none	Score	192
Exons	1431..1679, 1433..1678		

Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3250	Strand	-
Start	19577	End	24731
Name	OJ990903_16.9B19.C24.o6.tw	Method	TBLASTX:Wheat
Start	1443	End	4401
GI	none	Score	116
Exons	1443..1541, 1460..1540, 1508..1747, 1524..1781, 4336..4401		

Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3250	Strand	-
Start	19577	End	24731
Name	OJ990903_16.9B19.C24.o3.tw	Method	TBLASTX:Wheat
Start	2510	End	2996
GI	none	Score	398
Exons	2510..2683, 2511..2996, 2705..2965		

Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3250	Strand	-
Start	19577	End	24731
Name	OJ990903_16.9B19.C24.o1.tw	Method	TBLASTX:Wheat
Start	3161	End	3619
GI	none	Score	571
Exons	3161..3616, 3162..3617, 3162..3617, 3287..3619		

Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3250	Strand	-
Start	19577	End	24731
Name	OJ990903_16.9B19.C24.o2.ts	Method	TBLASTX:Soybean
Start	3201	End	3566
GI	none	Score	118
Exons	3201..3425, 3432..3566		

Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3250	Strand	-
Start	19577	End	24731
Name	OJ990903_16.9B19.C24.o1.tm	Method	TBLASTX:Maize
Start	3291	End	3641
GI	none	Score	365
Exons	3291..3638, 3326..3637, 3531..3641		

Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3250	Strand	-

Start 19577
 Name OJ990903_16.9B19.C24.o2.tw
 Start 3690
 GI none
 Exons 3690..4109, 3706..4104

End 24731
 Method TBLASTX:Wheat
 End 4109
 Score 464

Seq. No. 1570
 Gene No. 3250
 Start 19577
 Name OJ990903_16.9B19.C24.o3.tm
 Start 3690
 GI none
 Exons 3690..3992, 3706..4011

Seq. ID OJ990903_16.9B19.C24
 Strand -
 End 24731
 Method TBLASTX:Maize
 End 4011
 Score 285

Seq. No. 1570
 Gene No. 3250
 Start 19577
 Name OJ990903_16.9B19.C24.o1.ts
 Start 3763
 GI none
 Exons 3763..4134, 3780..3923

Seq. ID OJ990903_16.9B19.C24
 Strand -
 End 24731
 Method TBLASTX:Soybean
 End 4134
 Score 280

Seq. No. 1570
 Gene No. 3250
 Start 19577
 Name OJ990903_16.9B19.C24.o5.tw
 Start 4490
 GI none
 Exons 4490..4744, 4514..4765, 4579..4764, 4799..4843, 4843..4947, 4845..4946

Seq. ID OJ990903_16.9B19.C24
 Strand -
 End 24731
 Method TBLASTX:Wheat
 End 4947
 Score 237

Seq. No. 1570
 Gene No. 3250
 Start 19577
 Name OJ990903_16.9B19.C24.o8.tw
 Start 4971
 GI none
 Exons 4971..5126, 5002..5262

Seq. ID OJ990903_16.9B19.C24
 Strand -
 End 24731
 Method TBLASTX:Wheat
 End 5262
 Score 192

Seq. No. 1570
 Gene No. 3250
 Start 19577
 Name OJ990903_16.9B19.C24.o4.tm
 Start 5353
 GI none
 Exons 5353..5619

Seq. ID OJ990903_16.9B19.C24
 Strand -
 End 24731
 Method TBLASTX:Maize
 End 5619
 Score 200

Seq. No. 1570
 Gene No. 3250
 Start 19577
 Name OJ990903_16.9B19.C24.o7.tw
 Start 5353
 GI none
 Exons 5353..5628, 5467..5628, 5498..5644

Seq. ID OJ990903_16.9B19.C24
 Strand -
 End 24731
 Method TBLASTX:Wheat
 End 5644
 Score 193

Seq. No. 1570
 Gene No. 3250

Seq. ID OJ990903_16.9B19.C24
 Strand -

Start	19577	End	24731
Name	OJ990903_16.9B19.C24.o6.tm	Method	TBLASTX:Maize
Start	5821	End	5965
GI	none	Score	184
Exons	5821..5961, 5822..5965		

Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3250	Strand	-
Start	19577	End	24731
Name	OJ990903_16.9B19.C24.o6.gs	Method	GENSCAN
Start	19577	End	24225
GI	none	Score	.42
Exons	19577..19808, 20458..20641, 20792..20994, 20999..21046, 21110..21241, 21488..21585, 21612..21737, 21830..22088, 22442..24225		

Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3250	Strand	-
Start	19577	End	24731
Name	OJ990903_16.9B19.C24.o2.gp	Method	AAT/GAP
Start	20203	End	20656
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	20203..20656		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03-(contig b)'		

Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3250	Strand	-
Start	19577	End	24731
Name	OJ990903_16.9B19.C24.o4.np	Method	AAT/NAP
Start	20760	End	23772
GI	5441880	Score	2856
Exons	20760..20994, 21110..21241, 21488..21585, 21830..22088, 22165..23772		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3250	Strand	-
Start	19577	End	24731
Name	OJ990903_16.9B19.C24.o3.gp	Method	AAT/GAP
Start	21838	End	22337
GI	LIB3475-007-P1-K1-G8	Score	805
Exons	21838..22088, 22165..22337		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3250	Strand	-
Start	19577	End	24731
Name	OJ990903_16.9B19.C24.o4.tw	Method	TBLASTX:Wheat
Start	22537	End	22917
GI	none	Score	80
Exons	22537..22713, 22598..22690, 22711..22908, 22723..22917		

Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3250	Strand	-
Start	19577	End	24731
Name	OJ990903_16.9B19.C24.o2.tm	Method	TBLASTX:Maize
Start	22615	End	23211
GI	none	Score	150
Exons	22615..22686, 22750..23049, 22811..23032, 23083..23211, 23105..23203		

Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3250	Strand	-
Start	19577	End	24731
Name	OJ990903_16.9B19.C24.o4.gp	Method	AAT/GAP
Start	22737	End	23168
GI	5701669	Score	849
Exons	22737..23168		
GI Descrip.	5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	1570	Seq. ID	OJ990903_16.9B19.C24
Gene No.	3250	Strand	-
Start	19577	End	24731
Name	OJ990903_16.9B19.C24.o5.np	Method	AAT/NAP
Start	23785	End	24731
GI	6721543	Score	87
Exons	23785..23953, 24678..24731		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	1571	Seq. ID	OJ990903_16.9B19.C25
Gene No.	3251	Strand	+
Start	18	End	1910
Name	OJ990903_16.9B19.C25.o1.gs	Method	GENSCAN
Start	18	End	1910
GI	none	Score	.55
Exons	18..136, 1791..1910		

Seq. No.	1572	Seq. ID	OJ990823_11.9B12.C1
Gene No.	3252	Strand	+
Start	1	End	885
Name	OJ990823_11.9B12.C1.o1.np	Method	AAT/NAP
Start	1	End	862
GI	4544372	Score	448
Exons	1..862		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	1572	Seq. ID	OJ990823_11.9B12.C1
Gene No.	3252	Strand	+
Start	1	End	885
Name	OJ990823_11.9B12.C1.o2.tw	Method	TBLASTX:Wheat
Start	41	End	400
GI	none	Score	189
Exons	41..400		

Seq. No.	1572	Seq. ID	OJ990823_11.9B12.C1
Gene No.	3252	Strand	+

Start	1	End	885
Name	OJ990823_11.9B12.C1.o2.ts	Method	TBLASTX:Soybean
Start	59	End	343
GI	none	Score	186
Exons	59..343, 64..204, 275..301		

Seq. No.	1572	Seq. ID	OJ990823_11.9B12.C1
Gene No.	3252	Strand	+
Start	1	End	885
Name	OJ990823_11.9B12.C1.o1.tw	Method	TBLASTX:Wheat
Start	431	End	847
GI	none	Score	240
Exons	431..847, 431..682, 658..753		

Seq. No.	1572	Seq. ID	OJ990823_11.9B12.C1
Gene No.	3252	Strand	+
Start	1	End	885
Name	OJ990823_11.9B12.C1.o1.ts	Method	TBLASTX:Soybean
Start	623	End	868
GI	none	Score	262
Exons	623..868, 626..748, 670..762, 835..864		

Seq. No.	1572	Seq. ID	OJ990823_11.9B12.C1
Gene No.	3252	Strand	+
Start	1	End	885
Name	OJ990823_11.9B12.C1.o1.tm	Method	TBLASTX:Maize
Start	641	End	885
GI	none	Score	105
Exons	641..721, 658..729, 704..784, 719..772, 788..880, 796..885		

Seq. No.	1573	Seq. ID	OJ990823_11.9B12.C2
Gene No.	3253	Strand	-
Start	1	End	1291
Name	OJ990823_11.9B12.C2.o1.np	Method	AAT/NAP
Start	1	End	1291
GI	4585985	Score	506
Exons	1..433, 656..1158, 1205..1291		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1573	Seq. ID	OJ990823_11.9B12.C2
Gene No.	3253	Strand	-
Start	1	End	1291
Name	OJ990823_11.9B12.C2.o2.tm	Method	TBLASTX:Maize
Start	2	End	206
GI	none	Score	48
Exons	2..73, 2..73, 77..202, 81..206		

Seq. No.	1573	Seq. ID	OJ990823_11.9B12.C2
Gene No.	3253	Strand	-
Start	1	End	1291
Name	OJ990823_11.9B12.C2.o1.tw	Method	TBLASTX:Wheat
Start	2	End	364
GI	none	Score	47
Exons	2..64, 3..65, 89..364, 90..302		

Seq. No.	1573	Seq. ID	OJ990823_11.9B12.C2
Gene No.	3253	Strand	-

Start	1	End	1291
Name	OJ990823_11.9B12.C2.o1.gs	Method	GENSCAN
Start	11	End	1056
GI	none	Score	.64
Exons	11..318, 475..720, 750..1056		

Seq. No.	1573	Seq. ID	OJ990823_11.9B12.C2
Gene No.	3253	Strand	-
Start	1	End	1291
Name	OJ990823_11.9B12.C2.o1.tm	Method	TBLASTX:Maize
Start	209	End	1011
GI	none	Score	47
Exons	209..493, 336..512, 494..727, 495..569, 500..721, 727..942, 752..943, 958..1011		

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3254	Strand	+
Start	1447	End	18340
Name	OJ990823_11.9B12.C3.o1.np	Method	AAT/NAP
Start	1447	End	18219
GI	3269295	Score	860
Exons	1447..1491, 5295..5859, 6347..6418, 7851..7970, 8041..8207, 16113..16380, 18073..18219		

GI Descrip. (AL030978) putative protein [Arabidopsis thaliana]

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3254	Strand	+
Start	1447	End	18340
Name	OJ990823_11.9B12.C3.o2.gs	Method	GENSCAN
Start	5566	End	8878
GI	none	Score	.8
Exons	5566..5832, 6320..6418, 7278..7406, 7851..7970, 8041..8207, 8860..8878		

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3254	Strand	+
Start	1447	End	18340
Name	OJ990823_11.9B12.C3.o1.gp	Method	AAT/GAP
Start	5796	End	6246
GI	none	Score	878
Exons	5796..6246		

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3254	Strand	+
Start	1447	End	18340
Name	OJ990823_11.9B12.C3.o4.gs	Method	GENSCAN
Start	12547	End	18340
GI	none	Score	.86
Exons	12547..12721, 12769..12962, 14414..14481, 15345..15418, 16238..16380, 16701..16812, 17860..17975, 18263..18340		

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3254	Strand	+
Start	1447	End	18340
Name	OJ990823_11.9B12.C3.o2.gp	Method	AAT/GAP
Start	13996	End	14559
GI	4714953	Score	1086

Exons 13996..14559

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3255	Strand	+
Start	20318	End	22360
Name	OJ990823_11.9B12.C3.o2.np	Method	AAT/NAP
Start	20318	End	22080
GI	4263522	Score	639

Exons 20318..20963, 21084..22080

GI Descrip. (AC004044) hypothetical protein [Arabidopsis thaliana]

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3255	Strand	+
Start	20318	End	22360
Name	OJ990823_11.9B12.C3.o4.gp	Method	AAT/GAP
Start	21877	End	22360
GI	LIB3434-055-P1-K1-D10	Score	938

Exons 21877..22360

GI Descrip. '3249103 8.0e-09 (AC003114) Contains similarity to membrane-associated salt-inducible protein homolog TM021B04.10 gb_2191192 from A. thaliana BAC gb_AF007271. [Arabidopsis thaliana]'

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3256	Strand	+
Start	24532	End	31226
Name	OJ990823_11.9B12.C3.o6.gs	Method	GENSCAN
Start	24532	End	31226
GI	none	Score	.65

Exons 24532..24655, 24821..25086, 26453..26508, 27194..27319, 27885..28203, 28235..28891, 29099..29321, 29826..31226

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3257	Strand	-
Start	3718	End	5457
Name	OJ990823_11.9B12.C3.o1.gs	Method	GENSCAN
Start	3718	End	5457
GI	none	Score	.59

Exons 3718..3945, 4021..4320, 4693..4744, 5039..5457

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3258	Strand	-
Start	9418	End	10898
Name	OJ990823_11.9B12.C3.o3.gs	Method	GENSCAN
Start	9418	End	10898
GI	none	Score	.56

Exons 9418..9758, 10392..10504, 10547..10794, 10845..10898

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3259	Strand	-
Start	17749	End	23305
Name	OJ990823_11.9B12.C3.o2.ts	Method	TBLASTX:Soybean
Start	5689	End	23305
GI	none	Score	49

Exons 5689..5778, 5758..5838, 6317..6421, 7884..7976, 7886..7972, 8038..8196, 8038..8211, 8040..8210, 8040..8228, 15346..15414, 16237..16380, 16239..16382, 16239..16382, 16240..16383,

16698..16820, 16700..16819, 17913..17975, 17915..17983,
18072..18194, 18106..18195, 18115..18219, 22933..23046,
22934..23026, 23151..23195, 23273..23305

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3259	Strand	-
Start	17749	End	23305
Name	OJ990823_11.9B12.C3.o4.tm	Method	TBLASTX:Maize
Start	7884	End	8196
GI	none	Score	112
Exons	7884..7976, 8038..8196, 8049..8195		

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3259	Strand	-
Start	17749	End	23305
Name	OJ990823_11.9B12.C3.o3.tm	Method	TBLASTX:Maize
Start	10458	End	10825
GI	none	Score	81
Exons	10458..10640, 10645..10824, 10649..10825		

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3259	Strand	-
Start	17749	End	23305
Name	OJ990823_11.9B12.C3.o2.tm	Method	TBLASTX:Maize
Start	10895	End	11192
GI	none	Score	179
Exons	10895..11188, 10896..11189, 10986..11192		

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3259	Strand	-
Start	17749	End	23305
Name	OJ990823_11.9B12.C3.o3.gp	Method	AAT/GAP
Start	17749	End	18525
GI	3938_1.R1084	Score	1207
Exons	17749..18019, 18099..18525		
GI Descrip.	'3269295/emb CAA19728.1 2.0e-09 (AL030978) putative protein [Arabidopsis thaliana]'		

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3259	Strand	-
Start	17749	End	23305
Name	OJ990823_11.9B12.C3.o1.tc	Method	TBLASTX:Cress
Start	20184	End	21758
GI	none	Score	60
Exons	20184..20336, 20346..20579, 20658..20879, 20658..20822, 20940..21248, 20970..21551, 21207..21425, 21327..21398, 21549..21758		

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3259	Strand	-
Start	17749	End	23305
Name	OJ990823_11.9B12.C3.o1.tw	Method	TBLASTX:Wheat
Start	20499	End	21784
GI	none	Score	68
Exons	20499..20585, 21165..21410, 21299..21523, 21300..21524, 21411..21527, 21642..21722, 21645..21782, 21647..21784		

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3259	Strand	-
Start	17749	End	23305
Name	OJ990823_11.9B12.C3.o1.tm	Method	TBLASTX:Maize
Start	20658	End	21840
GI	none	Score	136
Exons	20658..20924, 21027..21542, 21137..21514, 21147..21542, 21648..21746, 21784..21840		

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3259	Strand	-
Start	17749	End	23305
Name	OJ990823_11.9B12.C3.o3.ts	Method	TBLASTX:Soybean
Start	20787	End	21548
GI	none	Score	51
Exons	20787..20927, 20970..21164, 21198..21548		

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3259	Strand	-
Start	17749	End	23305
Name	OJ990823_11.9B12.C3.o1.ts	Method	TBLASTX:Soybean
Start	21651	End	22088
GI	none	Score	322
Exons	21651..22088, 21768..22052		

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3259	Strand	-
Start	17749	End	23305
Name	OJ990823_11.9B12.C3.o2.tc	Method	TBLASTX:Cress
Start	21759	End	22088
GI	none	Score	218
Exons	21759..22088, 21761..21961		

Seq. No.	1574	Seq. ID	OJ990823_11.9B12.C3
Gene No.	3260	Strand	-
Start	30035	End	30310
Name	OJ990823_11.9B12.C3.o5.tm	Method	TBLASTX:Maize
Start	30035	End	30310
GI	none	Score	157
Exons	30035..30166, 30082..30165, 30191..30310, 30204..30290		

Seq. No.	1575	Seq. ID	OJ990823_11.9B12.C4
Gene No.	3261	Strand	+
Start	694	End	1538
Name	OJ990823_11.9B12.C4.o2.ts	Method	TBLASTX:Soybean
Start	679	End	1047
GI	none	Score	138
Exons	679..897, 913..1047		

Seq. No.	1575	Seq. ID	OJ990823_11.9B12.C4
Gene No.	3261	Strand	+
Start	694	End	1538
Name	OJ990823_11.9B12.C4.o1.np	Method	AAT/NAP
Start	694	End	1538
GI	5902445	Score	549
Exons	694..1538		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	1575	Seq. ID	OJ990823_11.9B12.C4
Gene No.	3261	Strand	+
Start	694	End	1538
Name	OJ990823_11.9B12.C4.o1.tw	Method	TBLASTX:Wheat
Start	841	End	1250
GI	none	Score	610
Exons	841..1248, 841..1077, 846..1250, 855..1250		

Seq. No.	1575	Seq. ID	OJ990823_11.9B12.C4
Gene No.	3261	Strand	+
Start	694	End	1538
Name	OJ990823_11.9B12.C4.o2.tm	Method	TBLASTX:Maize
Start	901	End	1116
GI	none	Score	317
Exons	901..1116, 903..1115		

Seq. No.	1575	Seq. ID	OJ990823_11.9B12.C4
Gene No.	3261	Strand	+
Start	694	End	1538
Name	OJ990823_11.9B12.C4.o1.tm	Method	TBLASTX:Maize
Start	1117	End	1538
GI	none	Score	553
Exons	1117..1536, 1118..1195, 1119..1250, 1223..1405, 1269..1538		

Seq. No.	1575	Seq. ID	OJ990823_11.9B12.C4
Gene No.	3261	Strand	+
Start	694	End	1538
Name	OJ990823_11.9B12.C4.o1.ts	Method	TBLASTX:Soybean
Start	1192	End	1431
GI	none	Score	217
Exons	1192..1422, 1227..1421, 1279..1431		

Seq. No.	1575	Seq. ID	OJ990823_11.9B12.C4
Gene No.	3261	Strand	+
Start	694	End	1538
Name	OJ990823_11.9B12.C4.o2.tw	Method	TBLASTX:Wheat
Start	1267	End	1530
GI	none	Score	180
Exons	1267..1530, 1323..1472		

Seq. No.	1576	Seq. ID	OJ990823_11.9B12.C5
Gene No.	3262	Strand	-
Start	1	End	1853
Name	OJ990823_11.9B12.C5.o1.gp	Method	AAT/GAP
Start	1	End	1037
GI	2796400	Score	314
Exons	1..53, 891..1037		

Seq. No.	1576	Seq. ID	OJ990823_11.9B12.C5
Gene No.	3262	Strand	-
Start	1	End	1853
Name	OJ990823_11.9B12.C5.o1.gs	Method	GENSCAN
Start	683	End	1036
GI	none	Score	.61
Exons	683..765, 891..1036		

Seq. No.	1576	Seq. ID	OJ990823_11.9B12.C5
Gene No.	3262	Strand	-
Start	1	End	1853
Name	OJ990823_11.9B12.C5.o1.tm	Method	TBLASTX:Maize
Start	868	End	1055
GI	none	Score	203
Exons	868..1044, 869..1045, 888..1055		

Seq. No.	1576	Seq. ID	OJ990823_11.9B12.C5
Gene No.	3262	Strand	-
Start	1	End	1853
Name	OJ990823_11.9B12.C5.o1.np	Method	AAT/NAP
Start	883	End	1853
GI	6862915	Score	129
Exons	883..1038, 1786..1853		
GI Descrip.	(AC018907) putative dual-specificity protein phosphatase [Arabidopsis thaliana]		

Seq. No.	1577	Seq. ID	OJ990823_11.9B12.C6
Gene No.	3263	Strand	+
Start	1	End	475
Name	OJ990823_11.9B12.C6.o1.np	Method	AAT/NAP
Start	1	End	475
GI	4417309	Score	184
Exons	1..475		
GI Descrip.	(AC006446) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	1577	Seq. ID	OJ990823_11.9B12.C6
Gene No.	3263	Strand	+
Start	1	End	475
Name	OJ990823_11.9B12.C6.o1.gs	Method	GENSCAN
Start	20	End	446
GI	none	Score	.51
Exons	20..446		

Seq. No.	1577	Seq. ID	OJ990823_11.9B12.C6
Gene No.	3263	Strand	+
Start	1	End	475
Name	OJ990823_11.9B12.C6.o1.ts	Method	TBLASTX:Soybean
Start	35	End	286
GI	none	Score	186
Exons	35..286, 49..123, 163..276		

Seq. No.	1577	Seq. ID	OJ990823_11.9B12.C6
Gene No.	3263	Strand	+
Start	1	End	475
Name	OJ990823_11.9B12.C6.o1.tw	Method	TBLASTX:Wheat
Start	53	End	415
GI	none	Score	204
Exons	53..415, 64..126		

Seq. No.	1578	Seq. ID	OJ990823_11.9B12.C7
Gene No.	3264	Strand	+
Start	74	End	178
Name	OJ990823_11.9B12.C7.o1.gs	Method	GENSCAN
Start	74	End	178

GI	none	Score	.74
Exons	74..178		
Seq. No.	1579	Seq. ID	OJ990823_11.9B12.C8
Gene No.	3265	Strand	-
Start	745	End	1306
Name	OJ990823_11.9B12.C8.ol.gs	Method	GENSCAN
Start	745	End	1247
GI	none	Score	.93
Exons	745..768, 1142..1247		
Seq. No.	1579	Seq. ID	OJ990823_11.9B12.C8
Gene No.	3265	Strand	-
Start	745	End	1306
Name	OJ990823_11.9B12.C8.ol.tm	Method	TBLASTX:Maize
Start	1126	End	1306
GI	none	Score	160
Exons	1126..1305, 1128..1277, 1142..1306		
Seq. No.	1580	Seq. ID	OJ990823_11.9B12.C10
Gene No.	3266	Strand	-
Start	23	End	355
Name	OJ990823_11.9B12.C10.ol.gs	Method	GENSCAN
Start	23	End	355
GI	none	Score	.52
Exons	23..69, 145..210, 266..355		
Seq. No.	1581	Seq. ID	OJ990823_11.9B12.C11
Gene No.	3267	Strand	+
Start	1	End	152
Name	OJ990823_11.9B12.C11.ol.gp	Method	AAT/GAP
Start	1	End	152
GI	3938_1.R1084	Score	260
Exons	1..152		
GI Descrip.	'3269295/emb CAA19728.1 2.0e-09.(AL030978) putative protein [Arabidopsis thaliana]'		
Seq. No.	1581	Seq. ID	OJ990823_11.9B12.C11
Gene No.	3268	Strand	+
Start	90	End	152
Name	OJ990823_11.9B12.C11.ol.gs	Method	GENSCAN
Start	90	End	152
GI	none	Score	.8
Exons	90..152		
Seq. No.	1582	Seq. ID	OJ990823_11.9B12.C12
Gene No.	3269	Strand	+
Start	1	End	2033
Name	OJ990823_11.9B12.C12.ol.np	Method	AAT/NAP
Start	1	End	2033
GI	6862956	Score	1077
Exons	1..2033		
GI Descrip.	(AC019018) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	1582	Seq. ID	OJ990823_11.9B12.C12
Gene No.	3269	Strand	+
Start	1	End	2033

Name	OJ990823_11.9B12.C12.o2.tm	Method	TBLASTX:Maize
Start	776	End	1231
GI	none	Score	78
Exons	776..844, 932..982, 1016..1231, 1078..1230		

Seq. No.	1582	Seq. ID	OJ990823_11.9B12.C12
Gene No.	3269	Strand	+
Start	1	End	2033
Name	OJ990823_11.9B12.C12.o1.tm	Method	TBLASTX:Maize
Start	1382	End	1744
GI	none	Score	305
Exons	1382..1744, 1382..1459, 1384..1665		

Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3270	Strand	+
Start	1	End	5767
Name	OJ990823_11.9B12.C13.o1.np	Method	AAT/NAP
Start	1	End	3324
GI	6815107	Score	220
Exons	1..40, 1153..1541, 3301..3324		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3270	Strand	+
Start	1	End	5767
Name	OJ990823_11.9B12.C13.o1.gs	Method	GENSCAN
Start	409	End	3427
GI	none	Score	.67
Exons	409..559, 713..923, 1014..1116, 2278..2589, 2686..2959, 3167..3427		

Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3270	Strand	+
Start	1	End	5767
Name	OJ990823_11.9B12.C13.o2.np	Method	AAT/NAP
Start	2669	End	5764
GI	5902445	Score	4968
Exons	2669..5764		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3270	Strand	+
Start	1	End	5767
Name	OJ990823_11.9B12.C13.o2.gs	Method	GENSCAN
Start	3923	End	5767
GI	none	Score	.91
Exons	3923..5767		

Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3271	Strand	+
Start	10664	End	11940
Name	OJ990823_11.9B12.C13.o4.gs	Method	GENSCAN
Start	10664	End	11940
GI	none	Score	.64
Exons	10664..10735, 11098..11260, 11822..11940		

Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3272	Strand	-
Start	6090	End	9001
Name	OJ990823_11.9B12.C13.o3.gs	Method	GENSCAN
Start	6090	End	9001
GI	none	Score	.79
Exons	6090..6541, 6604..6708, 6781..6820, 7044..7231, 7309..7664, 7741..8030, 8117..8318, 8355..9001		

Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3272	Strand	-
Start	6090	End	9001
Name	OJ990823_11.9B12.C13.o3.np	Method	AAT/NAP
Start	6102	End	9001
GI	6691716	Score	2509
Exons	6102..6541, 6604..6708, 6858..6969, 7044..7231, 7309..7453, 7529..7664, 7741..7915, 8107..9001		
GI Descrip.	[AP000492] hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3273	Strand	-
Start	12195	End	14608
Name	OJ990823_11.9B12.C13.o5.tm	Method	TBLASTX:Maize
Start	416	End	861
GI	none	Score	110
Exons	416..559, 656..811, 667..861		

Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3273	Strand	-
Start	12195	End	14608
Name	OJ990823_11.9B12.C13.o5.tw	Method	TBLASTX:Wheat
Start	2098	End	5755
GI	none	Score	56
Exons	2098..2223, 5141..5419, 5161..5250, 5296..5403, 5474..5632, 5624..5755		

Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3273	Strand	-
Start	12195	End	14608
Name	OJ990823_11.9B12.C13.o1.tw	Method	TBLASTX:Wheat
Start	2614	End	3070
GI	none	Score	489
Exons	2614..3069, 2615..3070		

Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3273	Strand	-
Start	12195	End	14608
Name	OJ990823_11.9B12.C13.o3.ts	Method	TBLASTX:Soybean
Start	2654	End	3019
GI	none	Score	134
Exons	2654..2878, 2885..3019		

Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3273	Strand	-
Start	12195	End	14608

Name	OJ990823_11.9B12.C13.o3.tm	Method	TBLASTX:Maize
Start	2744	End	3100
GI	none	Score	361
Exons	2744..3100, 2785..3090		
Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3273	Strand	-
Start	12195	End	14608
Name	OJ990823_11.9B12.C13.o6.tw	Method	TBLASTX:Wheat
Start	3070	End	3388
GI	none	Score	332
Exons	3070..3387, 3071..3388		
Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3273	Strand	-
Start	12195	End	14608
Name	OJ990823_11.9B12.C13.o1.ts	Method	TBLASTX:Soybean
Start	3263	End	3649
GI	none	Score	290
Exons	3263..3649, 3280..3423, 3296..3577, 3460..3630		
Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3273	Strand	-
Start	12195	End	14608
Name	OJ990823_11.9B12.C13.o2.tm	Method	TBLASTX:Maize
Start	3331	End	3775
GI	none	Score	275
Exons	3331..3585, 3332..3586, 3332..3589, 3607..3738, 3608..3751, 3749..3775		
Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3273	Strand	-
Start	12195	End	14608
Name	OJ990823_11.9B12.C13.o3.tw	Method	TBLASTX:Wheat
Start	3427	End	3859
GI	none	Score	76
Exons	3427..3843, 3433..3690, 3434..3859		
Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3273	Strand	-
Start	12195	End	14608
Name	OJ990823_11.9B12.C13.o2.ts	Method	TBLASTX:Soybean
Start	3899	End	4278
GI	none	Score	78
Exons	3899..3994, 4030..4278, 4034..4276		
Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3273	Strand	-
Start	12195	End	14608
Name	OJ990823_11.9B12.C13.o4.tw	Method	TBLASTX:Wheat
Start	3899	End	4321
GI	none	Score	387
Exons	3899..4321, 3904..4245		
Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3273	Strand	-
Start	12195	End	14608

Name	OJ990823_11.9B12.C13.o8.tw	Method	TBLASTX:Wheat
Start	4337	End	4636
GI	none	Score	131
Exons	4337..4471, 4538..4636		
Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3273	Strand	-
Start	12195	End	14608
Name	OJ990823_11.9B12.C13.o1.tm	Method	TBLASTX:Maize
Start	4634	End	4996
GI	none	Score	443
Exons	4634..4957, 4654..4944, 4949..4996		
Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3273	Strand	-
Start	12195	End	14608
Name	OJ990823_11.9B12.C13.o2.tw	Method	TBLASTX:Wheat
Start	4639	End	5028
GI	none	Score	429
Exons	4639..4950, 4640..5026, 4841..5017, 4981..5028		
Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3273	Strand	-
Start	12195	End	14608
Name	OJ990823_11.9B12.C13.o4.tm	Method	TBLASTX:Maize
Start	5474	End	5716
GI	none	Score	147
Exons	5474..5635, 5581..5634, 5614..5715, 5615..5716		
Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3273	Strand	-
Start	12195	End	14608
Name	OJ990823_11.9B12.C13.o7.tw	Method	TBLASTX:Wheat
Start	8591	End	8881
GI	none	Score	58
Exons	8591..8881, 8628..8741		
Seq. No.	1583	Seq. ID	OJ990823_11.9B12.C13
Gene No.	3273	Strand	-
Start	12195	End	14608
Name	OJ990823_11.9B12.C13.o5.gs	Method	GENSCAN
Start	12195	End	14608
GI	none	Score	.42
Exons	12195..12472, 12650..12869, 12932..12990, 14584..14608		
Seq. No.	1584	Seq. ID	OJ990823_11.9B12.C14
Gene No.	3274	Strand	-
Start	1106	End	1120
Name	OJ990823_11.9B12.C14.o1.gs	Method	GENSCAN
Start	1106	End	1120
GI	none	Score	.44
Exons	1106..1120		
Seq. No.	1585	Seq. ID	OJ990823_11.9B12.C15
Gene No.	3275	Strand	+
Start	1205	End	1343
Name	OJ990823_11.9B12.C15.o1.gs	Method	GENSCAN

Start 1205
GI none
Exons 1205..1343

End 1343
Score .59

Seq. No. 1586
Gene No. 3276
Start 33838
Name OJ990823_11.9B12.C16.o5.np
Start 33838
GI 5922631
Exons 33838..33857, 36143..36367, 36491..37144, 37399..37866
GI Descrip. (AP000492) ESTs C26347(C12145), AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145), AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu-1. (AF049110) [Oryza sativ

Seq. ID OJ990823_11.9B12.C16
Strand +
End 37866
Method AAT/NAP
End 37866
Score 571

Seq. No. 1586
Gene No. 3276
Start 33838
Name OJ990823_11.9B12.C16.o9.gs
Start 34551
GI none
Exons 34551..35894

Seq. ID OJ990823_11.9B12.C16
Strand +
End 37866
Method GENSCAN
End 35894
Score .95

Seq. No. 1586
Gene No. 3276
Start 33838
Name OJ990823_11.9B12.C16.o10.gs
Start 36131
GI none
Exons 36131..36751, 36881..37306

Seq. ID OJ990823_11.9B12.C16
Strand +
End 37866
Method GENSCAN
End 37306
Score .98

Seq. No. 1586
Gene No. 3277
Start 3409
Name OJ990823_11.9B12.C16.o2.gs
Start 3409
GI none
Exons 3409..3540, 3720..3836, 3929..4105, 4153..4728, 5376..5409, 5859..5971, 6008..6154, 6294..6473, 6506..6641, 7100..7869, 8987..9063, 9130..9264, 9420..9608, 10094..10457, 10674..10726, 10795..10801

Seq. ID OJ990823_11.9B12.C16
Strand -
End 11658
Method GENSCAN
End 10801
Score .51

Seq. No. 1586
Gene No. 3277
Start 3409
Name OJ990823_11.9B12.C16.o1.np
Start 4676
GI 6466937
Exons 4676..4728, 6023..9316, 9356..9865, 11616..11658
GI Descrip. (AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. ID OJ990823_11.9B12.C16
Strand -
End 11658
Method AAT/NAP
End 11658
Score 2197

Seq. No. 1586

Seq. ID OJ990823_11.9B12.C16

Gene No.	3277	Strand	-
Start	3409	End	11658
Name	OJ990823_11.9B12.C16.o1.gp	Method	AAT/GAP
Start	11157	End	11605
GI	uC-osflcyp169e02b1	Score	887
Exons	11157..11605		
GI Descrip.	'5051773/emb CAB45066.1 1.0e-08 (AL078637) putative protein [Arabidopsis thaliana]'		

Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3278	Strand	-
Start	19341	End	25046
Name	OJ990823_11.9B12.C16.o4.gs	Method	GENSCAN
Start	19341	End	22136
GI	none	Score	.78
Exons	19341..19439, 19837..20449, 20620..20869, 20913..21172, 21262..22136		

Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3278	Strand	-
Start	19341	End	25046
Name	OJ990823_11.9B12.C16.o2.np	Method	AAT/NAP
Start	19897	End	22990
GI	4206306	Score	1406
Exons	19897..22289, 22814..22990		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3278	Strand	-
Start	19341	End	25046
Name	OJ990823_11.9B12.C16.o5.gs	Method	GENSCAN
Start	22415	End	25046
GI	none	Score	.49
Exons	22415..22555, 22608..23102, 23265..23561, 23590..23812, 23928..24065, 24313..24465, 24538..24622, 24986..25046		

Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3279	Strand	-
Start	28549	End	29652
Name	OJ990823_11.9B12.C16.o6.gs	Method	GENSCAN
Start	28549	End	29652
GI	none	Score	.8
Exons	28549..28709, 28990..29122, 29221..29652		

Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o4.tm	Method	TBLASTX:Maize
Start	5771	End	6390
GI	none	Score	64
Exons	5771..5956, 6075..6158, 6077..6154, 6175..6390, 6180..6389		

Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o5.tw	Method	TBLASTX:Wheat
Start	6165	End	6555

GI	none	Score	74
Exons	6165..6317, 6363..6554, 6454..6555		
Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o1.tm	Method	TBLASTX:Maize
Start	6408	End	7039
GI	none	Score	103
Exons	6408..6581, 6454..6570, 6581..6808, 6581..7039, 6780..6968		
Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o1.ts	Method	TBLASTX:Soybean
Start	6632	End	7018
GI	none	Score	97
Exons	6632..7018, 6744..6902		
Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o3.tw	Method	TBLASTX:Wheat
Start	6872	End	7269
GI	none	Score	73
Exons	6872..7039, 6873..7043, 7024..7269, 7025..7258		
Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o2.tm	Method	TBLASTX:Maize
Start	7165	End	7773
GI	none	Score	166
Exons	7165..7773, 7168..7641, 7229..7678		
Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o3.ts	Method	TBLASTX:Soybean
Start	7453	End	7695
GI	none	Score	87
Exons	7453..7695, 7556..7687		
Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o4.tw	Method	TBLASTX:Wheat
Start	7606	End	7975
GI	none	Score	116
Exons	7606..7953, 7724..7975		
Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o2.ts	Method	TBLASTX:Soybean
Start	7720	End	8073
GI	none	Score	122

Exons 7720..8073, 7724..8068

Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o6.tm	Method	TBLASTX:Maize
Start	7774	End	7975
GI	none	Score	100
Exons	7774..7953, 7775..7975		

Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o3.tm	Method	TBLASTX:Maize
Start	8002	End	21438
GI	none	Score	112
Exons	8002..8478, 8003..8203, 8098..8436, 8231..8473, 21183..21437, 21199..21438		

Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o7.tw	Method	TBLASTX:Wheat
Start	8032	End	21171
GI	none	Score	201
Exons	8032..8169, 20971..21171		

Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o1.tc	Method	TBLASTX:Cress
Start	8086	End	21428
GI	none	Score	100
Exons	8086..8409, 21112..21174, 21240..21428		

Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o1.tw	Method	TBLASTX:Wheat
Start	8173	End	37492
GI	none	Score	276
Exons	8173..8391, 21198..21653, 21199..21603, 37315..37488, 37316..37492		

Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o4.ts	Method	TBLASTX:Soybean
Start	8188	End	21413
GI	none	Score	95
Exons	8188..8502, 21210..21413		

Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o5.tm	Method	TBLASTX:Maize
Start	11322	End	32649

GI	none	Score	80
Exons	11322..11396, 11439..11543, 11586..11825, 11656..11814, 32089..32118, 32116..32346, 32375..32623, 32395..32649		
Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o6.tw	Method	TBLASTX:Wheat
Start	20197	End	20628
GI	none	Score	81
Exons	20197..20433, 20439..20627, 20512..20628		
Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o2.tw	Method	TBLASTX:Wheat
Start	21668	End	37123
GI	none	Score	39
Exons	21668..21745, 21733..21786, 21856..22059, 21858..22034, 30515..30640, 36668..36850, 36676..36777, 36887..37123, 36898..37005, 36899..37108		
Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o8.tw	Method	TBLASTX:Wheat
Start	23064	End	23387
GI	none	Score	179
Exons	23064..23387		
Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o4.np	Method	AAT/NAP
Start	30432	End	35588
GI	4680203	Score	563
Exons	30432..30547, 33242..34052, 35552..35588		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o3.np	Method	AAT/NAP
Start	32096	End	32751
GI	5051773	Score	278
Exons	32096..32751		
GI Descrip.	(AL078637) putative protein [Arabidopsis thaliana]		
Seq. No.	1586	Seq. ID	OJ990823_11.9B12.C16
Gene No.	3280	Strand	-
Start	30432	End	37492
Name	OJ990823_11.9B12.C16.o8.gs	Method	GENSCAN
Start	33312	End	33535
GI	none	Score	.95
Exons	33312..33435, 33483..33535		
Seq. No.	1587	Seq. ID	OJ990823_11.9B12.C18

Gene No.	3281	Strand	+
Start	1	End	158
Name	OJ990823_11.9B12.C18.ol.gp	Method	AAT/GAP
Start	1	End	158
GI	3938_1.R1084	Score	316
Exons	1..158		
GI Descrip.	'3269295/emb CAA19728.1 2.0e-09 (AL030978) putative protein [Arabidopsis thaliana]'		

Seq. No.	1588	Seq. ID	OJ990923_18.9B12.C1
Gene No.	3282	Strand	+
Start	799	End	2020
Name	OJ990923_18.9B12.C1.ol.gs	Method	GENSCAN
Start	799	End	2020
GI	none	Score	.64
Exons	799..847, 1101..1246, 1684..1710, 1840..1862, 1884..2020		

Seq. No.	1589	Seq. ID	OJ990923_18.9B12.C2
Gene No.	3283	Strand	-
Start	501	End	1195
Name	OJ990923_18.9B12.C2.ol.gs	Method	GENSCAN
Start	501	End	1123
GI	none	Score	.42
Exons	501..523, 745..1123		

Seq. No.	1589	Seq. ID	OJ990923_18.9B12.C2
Gene No.	3283	Strand	-
Start	501	End	1195
Name	OJ990923_18.9B12.C2.ol.np	Method	AAT/NAP
Start	770	End	1195
GI	3928543	Score	403
Exons	770..1195		
GI Descrip.	(AB016819) UDP-glucose glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	1589	Seq. ID	OJ990923_18.9B12.C2
Gene No.	3283	Strand	-
Start	501	End	1195
Name	OJ990923_18.9B12.C2.ol.tm	Method	TBLASTX:Maize
Start	773	End	1195
GI	none	Score	423
Exons	773..1195, 780..1193, 944..1195		

Seq. No.	1589	Seq. ID	OJ990923_18.9B12.C2
Gene No.	3283	Strand	-
Start	501	End	1195
Name	OJ990923_18.9B12.C2.ol.ts	Method	TBLASTX:Soybean
Start	782	End	1189
GI	none	Score	221
Exons	782..1189, 822..1184		

Seq. No.	1589	Seq. ID	OJ990923_18.9B12.C2
Gene No.	3283	Strand	-
Start	501	End	1195
Name	OJ990923_18.9B12.C2.ol.tc	Method	TBLASTX:Cress
Start	831	End	1193
GI	none	Score	258

Exons 831..1193, 833..1192

Seq. No. 1589
Gene No. 3283
Start 501
Name OJ990923_18.9B12.C2.o1.tw
Start 929
GI none
Exons 929..1186, 954..1187

Seq. ID OJ990923_18.9B12.C2
Strand -
End 1195
Method TBLASTX:Wheat
End 1187
Score 95

Seq. No. 1590
Gene No. 3284
Start 1
Name OJ990923_18.9B12.C3.o1.np
Start 1
GI 3928543
Exons 1..936
GI Descrip. (AB016819) UDP-glucose glucosyltransferase [Arabidopsis thaliana]

Seq. ID OJ990923_18.9B12.C3
Strand -
End 954
Method AAT/NAP
End 936
Score 740

Seq. No. 1590
Gene No. 3284
Start 1
Name OJ990923_18.9B12.C3.o1.ts
Start 1
GI none
Exons 1..105, 130..171, 169..342, 373..591, 476..583, 598..693, 709..912, 794..913

Seq. ID OJ990923_18.9B12.C3
Strand -
End 954
Method TBLASTX:Soybean
End 913
Score 82

Seq. No. 1590
Gene No. 3284
Start 1
Name OJ990923_18.9B12.C3.o1.tc
Start 1
GI none
Exons 1..171, 169..342, 224..337, 373..582, 473..583, 601..693, 625..693, 709..936, 725..910

Seq. ID OJ990923_18.9B12.C3
Strand -
End 954
Method TBLASTX:Cress
End 936
Score 97

Seq. No. 1590
Gene No. 3284
Start 1
Name OJ990923_18.9B12.C3.o1.gs
Start 19
GI none
Exons 19..948

Seq. ID OJ990923_18.9B12.C3
Strand -
End 954
Method GENSCAN
End 948
Score .4

Seq. No. 1590
Gene No. 3284
Start 1
Name OJ990923_18.9B12.C3.o1.tm
Start 76
GI none
Exons 76..192, 77..154, 139..204, 169..342, 224..337, 373..594, 374..415, 467..610, 592..693, 634..687, 694..918, 725..916

Seq. ID OJ990923_18.9B12.C3
Strand -
End 954
Method TBLASTX:Maize
End 918
Score 61

Seq. No. 1590
Gene No. 3284

Seq. ID OJ990923_18.9B12.C3
Strand -

Start	1	End	954
Name	OJ990923_18.9B12.C3.o1.tw	Method	TBLASTX:Wheat
Start	625	End	954
GI	none	Score	45
Exons	625..693, 626..658, 706..954, 725..922		

Seq. No.	1591	Seq. ID	OJ990923_18.9B12.C4
Gene No.	3285	Strand	+
Start	1786	End	2939
Name	OJ990923_18.9B12.C4.o1.gs	Method	GENSCAN
Start	1786	End	2939
GI	none	Score	.5
Exons	1786..1861, 2874..2939		

Seq. No.	1592	Seq. ID	OJ990923_18.9B12.C5
Gene No.	3286	Strand	+
Start	1	End	74
Name	OJ990923_18.9B12.C5.o1.gp	Method	AAT/GAP
Start	1	End	74
GI	none	Score	144
Exons	1..74		

Seq. No.	1593	Seq. ID	OJ990923_18.9B12.C9
Gene No.	3287	Strand	+
Start	285	End	406
Name	OJ990923_18.9B12.C9.o1.gs	Method	GENSCAN
Start	285	End	406
GI	none	Score	.59
Exons	285..406		

Seq. No.	1593	Seq. ID	OJ990923_18.9B12.C9
Gene No.	3288	Strand	-
Start	3281	End	3847
Name	OJ990923_18.9B12.C9.o2.gs	Method	GENSCAN
Start	3281	End	3847
GI	none	Score	.77
Exons	3281..3311, 3813..3847		

Seq. No.	1594	Seq. ID	OJ990923_18.9B12.C10
Gene No.	3289	Strand	+
Start	408	End	875
Name	OJ990923_18.9B12.C10.o1.gs	Method	GENSCAN
Start	408	End	875
GI	none	Score	.71
Exons	408..535, 668..875		

Seq. No.	1594	Seq. ID	OJ990923_18.9B12.C10
Gene No.	3290	Strand	+
Start	3023	End	7785
Name	OJ990923_18.9B12.C10.o2.gs	Method	GENSCAN
Start	3023	End	7785
GI	none	Score	.53
Exons	3023..3114, 3199..3320, 4569..4673, 4721..4874, 5090..5174, 6985..7785		

Seq. No.	1594	Seq. ID	OJ990923_18.9B12.C10
Gene No.	3291	Strand	+

Start	8032	End	8824
Name	OJ990923_18.9B12.C10.o3.np	Method	AAT/NAP
Start	8032	End	8824
GI	4680179	Score	653
Exons	8032..8824		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1594	Seq. ID	OJ990923_18.9B12.C10
Gene No.	3292	Strand	-
Start	5718	End	5912
Name	OJ990923_18.9B12.C10.o1.np	Method	AAT/NAP
Start	5718	End	5912
GI	4680186	Score	102
Exons	5718..5912		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	1594	Seq. ID	OJ990923_18.9B12.C10
Gene No.	3293	Strand	
Start	8293	End	8504
Name	OJ990923_18.9B12.C10.o2.tw	Method	TBLASTX:Wheat
Start	8293	End	8504
GI	none	Score	191
Exons	8293..8502, 8304..8504		

Seq. No.	1594	Seq. ID	OJ990923_18.9B12.C10
Gene No.	3294	Strand	
Start	8523	End	8829
Name	OJ990923_18.9B12.C10.o1.tw	Method	TBLASTX:Wheat
Start	8523	End	8829
GI	none	Score	278
Exons	8523..8720, 8527..8829		

Seq. No.	1594	Seq. ID	OJ990923_18.9B12.C10
Gene No.	3294	Strand	
Start	8523	End	8829
Name	OJ990923_18.9B12.C10.o1.tm	Method	TBLASTX:Maize
Start	8527	End	8817
GI	none	Score	200
Exons	8527..8817, 8544..8657		

Seq. No.	1595	Seq. ID	OJ990923_18.9B12.C11
Gene No.	3295	Strand	+
Start	623	End	1600
Name	OJ990923_18.9B12.C11.o1.gs	Method	GENSCAN
Start	623	End	1600
GI	none	Score	.77
Exons	623..1238, 1530..1600		

Seq. No.	1596	Seq. ID	OJ990923_18.9B12.C12
Gene No.	3296	Strand	+
Start	4148	End	4410
Name	OJ990923_18.9B12.C12.o1.gp	Method	AAT/GAP
Start	4148	End	4410
GI	2315_5.R1084	Score	358
Exons	4148..4410		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	1596	Seq. ID	OJ990923_18.9B12.C12
Gene No.	3297	Strand	+
Start	5773	End	5832
Name	OJ990923_18.9B12.C12.o2.gp	Method	AAT/GAP
Start	5773	End	5832
GI	2315_6.R1084	Score	73
Exons	5773..5832		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 4.0e-38 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	1596	Seq. ID	OJ990923_18.9B12.C12
Gene No.	3298	Strand	-
Start	7645	End	7912
Name	OJ990923_18.9B12.C12.o3.gp	Method	AAT/GAP
Start	7645	End	7912
GI	2315_5.R1084	Score	309
Exons	7645..7756, 7834..7912		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	1596	Seq. ID	OJ990923_18.9B12.C12
Gene No.	3299	Strand	-
Start	9590	End	13089
Name	OJ990923_18.9B12.C12.o1.np	Method	AAT/NAP
Start	9590	End	13089
GI	2967837	Score	153
Exons	9590..9618, 11914..12424, 12784..13089		
GI Descrip.	(AF052641) cyst nematode resistance gene candidate [Triticum aestivum]		

Seq. No.	1596	Seq. ID	OJ990923_18.9B12.C12
Gene No.	3300	Strand	-
Start	15792	End	16006
Name	OJ990923_18.9B12.C12.o1.tw	Method	TBLASTX:Wheat
Start	14402	End	14756
GI	none	Score	70
Exons	14402..14533, 14433..14507, 14547..14756, 14549..14680		

Seq. No.	1596	Seq. ID	OJ990923_18.9B12.C12
Gene No.	3300	Strand	-
Start	15792	End	16006
Name	OJ990923_18.9B12.C12.o3.gs	Method	GENSCAN
Start	15792	End	16006
GI	none	Score	.95
Exons	15792..15851, 15926..16006		

Seq. No.	1597	Seq. ID	OJ990923_18.9B12.C14
Gene No.	3301	Strand	+
Start	129	End	4625
Name	OJ990923_18.9B12.C14.o1.gs	Method	GENSCAN
Start	129	End	4625
GI	none	Score	.46
Exons	129..382, 1920..2003, 4512..4625		

Seq. No.	1598	Seq. ID	OJ990923_18.9B12.C15
Gene No.	3302	Strand	+

Start	295	End	354
Name	OJ990923_18.9B12.C15.o1.gs	Method	GENSCAN
Start	295	End	354
GI	none	Score	.45
Exons	295..354		

Seq. No.	1598	Seq. ID	OJ990923_18.9B12.C15
Gene No.	3303	Strand	-
Start	7635	End	8479
Name	OJ990923_18.9B12.C15.o2.gs	Method	GENSCAN
Start	7635	End	8479
GI	none	Score	.95
Exons	7635..7709, 8396..8479		

Seq. No.	1599	Seq. ID	OJ990923_18.9B12.C16
Gene No.	3304	Strand	+
Start	1126	End	1554
Name	OJ990923_18.9B12.C16.o1.gs	Method	GENSCAN
Start	1126	End	1554
GI	none	Score	.9
Exons	1126..1554		

Seq. No.	1599	Seq. ID	OJ990923_18.9B12.C16
Gene No.	3305	Strand	+
Start	2213	End	10588
Name	OJ990923_18.9B12.C16.o2.gs	Method	GENSCAN
Start	2213	End	10588
GI	none	Score	.67
Exons	2213..2265, 2937..2978, 3053..3385, 3952..4131, 6535..6562, 7311..7424, 7618..7670, 8036..8123, 8563..8809, 9037..9074, 10481..10588		

Seq. No.	1599	Seq. ID	OJ990923_18.9B12.C16
Gene No.	3306	Strand	-
Start	7518	End	10941
Name	OJ990923_18.9B12.C16.o1.np	Method	AAT/NAP
Start	7518	End	10941
GI	6630696	Score	204
Exons	7518..7550, 10708..10941		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	1600	Seq. ID	OJ990923_18.9B12.C17
Gene No.	3307	Strand	-
Start	209	End	2587
Name	OJ990923_18.9B12.C17.o1.gs	Method	GENSCAN
Start	209	End	2587
GI	none	Score	.74
Exons	209..570, 1459..1837, 2579..2587		

Seq. No.	1600	Seq. ID	OJ990923_18.9B12.C17
Gene No.	3307	Strand	-
Start	209	End	2587
Name	OJ990923_18.9B12.C17.o1.np	Method	AAT/NAP
Start	1484	End	1866
GI	3928543	Score	299

Exons 1484..1866
 GI Descrip. (AB016819) UDP-glucose glucosyltransferase [Arabidopsis thaliana]

Seq. No.	1600	Seq. ID	OJ990923_18.9B12.C17
Gene No.	3308	Strand	-
Start	5121	End	5486
Name	OJ990923_18.9B12.C17.o1.tm	Method	TBLASTX:Maize
Start	1487	End	1870
GI	none	Score	340
Exons	1487..1870, 1494..1850, 1736..1870		

Seq. No.	1600	Seq. ID	OJ990923_18.9B12.C17
Gene No.	3308	Strand	-
Start	5121	End	5486
Name	OJ990923_18.9B12.C17.o1.ts	Method	TBLASTX:Soybean
Start	1496	End	1868
GI	none	Score	211
Exons	1496..1864, 1497..1868		

Seq. No.	1600	Seq. ID	OJ990923_18.9B12.C17
Gene No.	3308	Strand	-
Start	5121	End	5486
Name	OJ990923_18.9B12.C17.o1.tc	Method	TBLASTX:Cress
Start	1547	End	1852
GI	none	Score	257
Exons	1547..1852, 1572..1847		

Seq. No.	1600	Seq. ID	OJ990923_18.9B12.C17
Gene No.	3308	Strand	-
Start	5121	End	5486
Name	OJ990923_18.9B12.C17.o2.gs	Method	GENSCAN
Start	5121	End	5486
GI	none	Score	1
Exons	5121..5486		

Seq. No.	1601	Seq. ID	OJ990803_13.9B19.C1
Gene No.	3309	Strand	-
Start	199	End	453
Name	OJ990803_13.9B19.C1.o1.gs	Method	GENSCAN
Start	199	End	453
GI	none	Score	.51
Exons	199..303, 339..453		

Seq. No.	1602	Seq. ID	OJ990803_13.9B19.C4
Gene No.	3310	Strand	+
Start	1	End	602
Name	OJ990803_13.9B19.C4.o1.np	Method	AAT/NAP
Start	1	End	602
GI	6069646	Score	357
Exons	1..602		

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No. 1602
 Gene No. 3310
 Start 1
 Name OJ990803_13.9B19.C4.o1.tw
 Start 17
 GI none
 Exons 17..139, 128..295

Seq. ID OJ990803_13.9B19.C4
 Strand +
 End 602
 Method TBLASTX:Wheat
 End 295
 Score 86

Seq. No. 1602
 Gene No. 3310
 Start 1
 Name OJ990803_13.9B19.C4.o1.tm
 Start 89
 GI none
 Exons 89..295, 109..288, 300..506

Seq. ID OJ990803_13.9B19.C4
 Strand +
 End 602
 Method TBLASTX:Maize
 End 506
 Score 182

Seq. No. 1602
 Gene No. 3310
 Start 1
 Name OJ990803_13.9B19.C4.o1.gs
 Start 265
 GI none
 Exons 265..532

Seq. ID OJ990803_13.9B19.C4
 Strand +
 End 602
 Method GENSCAN
 End 532
 Score .58

Seq. No. 1603
 Gene No. 3311
 Start 66
 Name OJ990803_13.9B19.C6.o1.gs
 Start 66
 GI none
 Exons 66..168

Seq. ID OJ990803_13.9B19.C6
 Strand -
 End 168
 Method GENSCAN
 End 168
 Score .99

Seq. No. 1604
 Gene No. 3312
 Start 141
 Name OJ990803_13.9B19.C7.o1.tm
 Start 141
 GI none
 Exons 141..467, 141..281, 143..328

Seq. ID OJ990803_13.9B19.C7
 Strand +
 End 467
 Method TBLASTX:Maize
 End 467
 Score 259

Seq. No. 1605
 Gene No. 3313
 Start 3942
 Name OJ990803_13.9B19.C9.o2.np
 Start 3942
 GI 1946366
 Exons 3942..4097, 8221..8335, 8727..8891, 9202..9327, 9692..9755, 9789..9871, 10208..10372, 11378..11597, 12780..12805
 GI Descrip. (U93215) unknown protein [Arabidopsis thaliana]

Seq. ID OJ990803_13.9B19.C9
 Strand +
 End 12805
 Method AAT/NAP
 End 12805
 Score 628

Seq. No. 1605
 Gene No. 3313
 Start 3942
 Name OJ990803_13.9B19.C9.o3.gs
 Start 6532
 GI none
 Exons 6532..6593, 7467..7584, 7890..8207, 8221..8376, 8727..8903,

Seq. ID OJ990803_13.9B19.C9
 Strand +
 End 12805
 Method GENSCAN
 End 12340
 Score .72

9202..9327, 9692..9871, 10208..10372, 11378..11680,
11691..11842, 11937..12093, 12239..12340

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3313	Strand	+
Start	3942	End	12805
Name	OJ990803_13.9B19.C9.o1.gp	Method	AAT/GAP
Start	9199	End	10192
GI	32497_1.R1084	Score	1206
Exons	9199..9327, 9692..10192		
GI Descrip.	'5852170/emb AL117265.1 OST17804 2.0e-10 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3314	Strand	+
Start	18730	End	21717
Name	OJ990803_13.9B19.C9.o6.gs	Method	GENSCAN
Start	18730	End	21717
GI	none	Score	.83
Exons	18730..19215, 19260..19988, 20528..21373, 21455..21508, 21580..21717		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3315	Strand	-
Start	1	End	5067
Name	OJ990803_13.9B19.C9.o1.np	Method	AAT/NAP
Start	1	End	3664
GI	4587517	Score	501
Exons	1..89, 1528..1689, 1764..1857, 2729..2842, 2987..3178, 3288..3369, 3473..3664		
GI Descrip.	(AC007060) T5I8.6 [Arabidopsis thaliana]		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3315	Strand	-
Start	1	End	5067
Name	OJ990803_13.9B19.C9.o2.gs	Method	GENSCAN
Start	2034	End	5067
GI	none	Score	.55
Exons	2034..2285, 2729..2842, 2987..3137, 3473..3664, 3966..4426, 5065..5067		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3316	Strand	-
Start	12800	End	19563
Name	OJ990803_13.9B19.C9.o4.np	Method	AAT/NAP
Start	12800	End	19563
GI	6705984	Score	289
Exons	12800..12823, 17248..17912, 19505..19563		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3316	Strand	-
Start	12800	End	19563
Name	OJ990803_13.9B19.C9.o4.gs	Method	GENSCAN
Start	14430	End	15491
GI	none	Score	.76
Exons	14430..14623, 14898..15048, 15234..15491		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3316	Strand	-
Start	12800	End	19563
Name	OJ990803_13.9B19.C9.o3.np	Method	AAT/NAP
Start	14486	End	17286
GI	6498436	Score	367
Exons	14486..14637, 14847..15085, 15329..15465, 15561..16042, 17136..17286		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3317	Strand	-
Start	22286	End	23576
Name	OJ990803_13.9B19.C9.o7.gs	Method	GENSCAN
Start	22286	End	23576
GI	none	Score	.42
Exons	22286..22630, 22880..23003, 23031..23220, 23243..23576		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3318	Strand	-
Start	24357	End	35819
Name	OJ990803_13.9B19.C9.o4.ts	Method	TBLASTX:Soybean
Start	1520	End	1666
GI	none	Score	108
Exons	1520..1660, 1529..1666, 1542..1664		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3318	Strand	-
Start	24357	End	35819
Name	OJ990803_13.9B19.C9.o1.tc	Method	TBLASTX:Cress
Start	2984	End	3371
GI	none	Score	104
Exons	2984..3163, 2985..3164, 3267..3371		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3318	Strand	-
Start	24357	End	35819
Name	OJ990803_13.9B19.C9.o6.tm	Method	TBLASTX:Maize
Start	8719	End	8858
GI	none	Score	95
Exons	8719..8829, 8720..8848, 8730..8858, 8732..8857		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3318	Strand	-
Start	24357	End	35819
Name	OJ990803_13.9B19.C9.o3.tm	Method	TBLASTX:Maize
Start	10205	End	11566
GI	none	Score	163
Exons	10205..10222, 10209..10370, 10209..10370, 10210..10371, 10259..10375, 10259..10375, 11376..11564, 11377..11565, 11378..11566		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3318	Strand	-
Start	24357	End	35819
Name	OJ990803_13.9B19.C9.o2.ts	Method	TBLASTX:Soybean

Start	10254	End	11551
GI	none	Score	153
Exons	10254..10373, 10259..10375, 11378..11551, 11389..11505, 11402..11551		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3318	Strand	-
Start	24357	End	35819
Name	OJ990803_13.9B19.C9.o5.tw	Method	TBLASTX:Wheat
Start	17559	End	23507
GI	none	Score	107
Exons	17559..17981, 17686..17904, 23319..23507, 23334..23498		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3318	Strand	-
Start	24357	End	35819
Name	OJ990803_13.9B19.C9.o7.tm	Method	TBLASTX:Maize
Start	19745	End	20971
GI	none	Score	168
Exons	19745..19936, 19746..19967, 20792..20971, 20803..20970		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3318	Strand	-
Start	24357	End	35819
Name	OJ990803_13.9B19.C9.o8.tm	Method	TBLASTX:Maize
Start	21104	End	21307
GI	none	Score	139
Exons	21104..21235, 21109..21234, 21221..21307		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3318	Strand	-
Start	24357	End	35819
Name	OJ990803_13.9B19.C9.o5.tm	Method	TBLASTX:Maize
Start	23313	End	23525
GI	none	Score	124
Exons	23313..23525, 23320..23493		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3318	Strand	-
Start	24357	End	35819
Name	OJ990803_13.9B19.C9.o8.gs	Method	GENSCAN
Start	24357	End	32434
GI	none	Score	.49
Exons	24357..24475, 24969..25184, 26988..27147, 29912..30093, 30169..30294, 32350..32434		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3318	Strand	-
Start	24357	End	35819
Name	OJ990803_13.9B19.C9.o6.np	Method	AAT/NAP
Start	32247	End	35819
GI	4680179	Score	2300
Exons	32247..32269, 34231..35819		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1605	Seq. ID	OJ990803_13.9B19.C9
Gene No.	3318	Strand	-

Start 24357
 Name OJ990803_13.9B19.C9.o3.ts
 Start 34237
 GI none
 Exons 34237..34470, 34241..34468

End 35819
 Method TBLASTX:Soybean
 End 34470
 Score 152

Seq. No. 1605
 Gene No. 3318
 Start 24357
 Name OJ990803_13.9B19.C9.o4.tm
 Start 34240
 GI none
 Exons 34240..34608, 34241..34609, 34309..34641

Seq. ID OJ990803_13.9B19.C9
 Strand -
 End 35819
 Method TBLASTX:Maize
 End 34641
 Score 174

Seq. No. 1605
 Gene No. 3318
 Start 24357
 Name OJ990803_13.9B19.C9.o1.tw
 Start 34258
 GI none
 Exons 34258..34794, 34259..34783

Seq. ID OJ990803_13.9B19.C9
 Strand -
 End 35819
 Method TBLASTX:Wheat
 End 34794
 Score 363

Seq. No. 1605
 Gene No. 3318
 Start 24357
 Name OJ990803_13.9B19.C9.o1.tm
 Start 34825
 GI none
 Exons 34825..35178, 34832..34864, 34840..35172, 34910..35173

Seq. ID OJ990803_13.9B19.C9
 Strand -
 End 35819
 Method TBLASTX:Maize
 End 35178
 Score 43

Seq. No. 1605
 Gene No. 3318
 Start 24357
 Name OJ990803_13.9B19.C9.o2.tw
 Start 34867
 GI none
 Exons 34867..35280, 34873..35202, 34910..35281

Seq. ID OJ990803_13.9B19.C9
 Strand -
 End 35819
 Method TBLASTX:Wheat
 End 35281
 Score 162

Seq. No. 1605
 Gene No. 3318
 Start 24357
 Name OJ990803_13.9B19.C9.o2.tm
 Start 35215
 GI none
 Exons 35215..35517, 35336..35503, 35572..35715

Seq. ID OJ990803_13.9B19.C9
 Strand -
 End 35819
 Method TBLASTX:Maize
 End 35715
 Score 115

Seq. No. 1605
 Gene No. 3318
 Start 24357
 Name OJ990803_13.9B19.C9.o1.ts
 Start 35266
 GI none
 Exons 35266..35517, 35276..35515, 35388..35624, 35422..35625, 35572..35625, 35629..35661, 35629..35661

Seq. ID OJ990803_13.9B19.C9
 Strand -
 End 35819
 Method TBLASTX:Soybean
 End 35661
 Score 188

Seq. No. 1605
 Gene No. 3318

Seq. ID OJ990803_13.9B19.C9
 Strand -

Start 24357
 Name OJ990803_13.9B19.C9.o3.tw
 Start 35284
 GI none
 Exons 35284..35514, 35285..35509

End 35819
 Method TBLASTX:Wheat
 End 35514
 Score 225

Seq. No. 1605
 Gene No. 3318
 Start 24357
 Name OJ990803_13.9B19.C9.o4.tw
 Start 35544
 GI none
 Exons 35544..35696, 35550..35696, 35575..35724, 35579..35716, 35728..35811, 35732..35812, 35742..35816

Seq. ID OJ990803_13.9B19.C9
 Strand -
 End 35819
 Method TBLASTX:Wheat
 End 35816
 Score 86

Seq. No. 1606
 Gene No. 3319
 Start 15714
 Name OJ990803_13.9B19.C11.o4.np
 Start 15714
 GI 6907087
 Exons 15714..16087, 16132..16831, 20440..20541
 GI Descrip. (AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. ID OJ990803_13.9B19.C11
 Strand +
 End 20541
 Method AAT/NAP
 End 20541
 Score 949

Seq. No. 1606
 Gene No. 3320
 Start 1
 Name OJ990803_13.9B19.C11.o1.np
 Start 1
 GI 5042447
 Exons 1..415, 443..1526
 GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. ID OJ990803_13.9B19.C11
 Strand -
 End 10922
 Method AAT/NAP
 End 1526
 Score 1150

Seq. No. 1606
 Gene No. 3320
 Start 1
 Name OJ990803_13.9B19.C11.o1.gs
 Start 358
 GI none
 Exons 358..481, 524..924, 2448..2512, 4893..5122, 6857..7342

Seq. ID OJ990803_13.9B19.C11
 Strand -
 End 10922
 Method GENSCAN
 End 7342
 Score .42

Seq. No. 1606
 Gene No. 3320
 Start 1
 Name OJ990803_13.9B19.C11.o2.np
 Start 1752
 GI 4512229
 Exons 1752..2512
 GI Descrip. (AB014740) ORF0 protein [Oryza sativa]

Seq. ID OJ990803_13.9B19.C11
 Strand -
 End 10922
 Method AAT/NAP
 End 2512
 Score 1048

Seq. No. 1606
 Gene No. 3320
 Start 1
 Name OJ990803_13.9B19.C11.o3.np
 Start 6372

Seq. ID OJ990803_13.9B19.C11
 Strand -
 End 10922
 Method AAT/NAP
 End 10922

GI 6815097 Score 2986
 Exons 6372..7136, 7278..8940, 9055..9669, 10172..10922
 GI Descrip. (AP001081) Similar to putative copia polyprotein (AC006248)
 [Oryza sativa]

Seq. No. 1606 Seq. ID OJ990803_13.9B19.C11
 Gene No. 3321 Strand -
 Start 17938 End 18319
 Name OJ990803_13.9B19.C11.o1.gp Method AAT/GAP
 Start 17938 End 18319
 GI uC-osflcyp033a04b1 Score 679
 Exons 17938..18319
 GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic
 DNA, chromosome 1, clone:P0711E10'

Seq. No. 1606 Seq. ID OJ990803_13.9B19.C11
 Gene No. 3322 Strand -
 Start 18715 End 19324
 Name OJ990803_13.9B19.C11.o3.gs Method GENSCAN
 Start 18715 End 19324
 GI none Score .44
 Exons 18715..18834, 19091..19324

Seq. No. 1606 Seq. ID OJ990803_13.9B19.C11
 Gene No. 3323 Strand -
 Start 20936 End 22889
 Name OJ990803_13.9B19.C11.o5.np Method AAT/NAP
 Start 20936 End 22889
 GI 4680186 Score 127
 Exons 20936..21142, 22863..22889
 GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No. 1606 Seq. ID OJ990803_13.9B19.C11
 Gene No. 3324 Strand -
 Start 23106 End 26391
 Name OJ990803_13.9B19.C11.o3.tw Method TBLASTX:Wheat
 Start 11 End 358
 GI none Score 66
 Exons 11..358, 48..182

Seq. No. 1606 Seq. ID OJ990803_13.9B19.C11
 Gene No. 3324 Strand -
 Start 23106 End 26391
 Name OJ990803_13.9B19.C11.o1.tw Method TBLASTX:Wheat
 Start 716 End 1056
 GI none Score 126
 Exons 716..925, 928..1056

Seq. No. 1606 Seq. ID OJ990803_13.9B19.C11
 Gene No. 3324 Strand -
 Start 23106 End 26391
 Name OJ990803_13.9B19.C11.o3.tm Method TBLASTX:Maize
 Start 758 End 1056
 GI none Score 101
 Exons 758..925, 928..1056

Seq. No. 1606 Seq. ID OJ990803_13.9B19.C11

Gene No.	3324	Strand	-
Start	23106	End	26391
Name	OJ990803_13.9B19.C11.o1.tm	Method	TBLASTX:Maize
Start	6151	End	6572
GI	none	Score	141
Exons	6151..6186, 6192..6407, 6194..6412, 6219..6416, 6220..6408, 6475..6567, 6477..6572		

Seq. No.	1606	Seq. ID	OJ990803_13.9B19.C11
Gene No.	3324	Strand	-
Start	23106	End	26391
Name	OJ990803_13.9B19.C11.o2.tm	Method	TBLASTX:Maize
Start	6573	End	6869
GI	none	Score	143
Exons	6573..6869, 6574..6789		

Seq. No.	1606	Seq. ID	OJ990803_13.9B19.C11
Gene No.	3324	Strand	-
Start	23106	End	26391
Name	OJ990803_13.9B19.C11.o5.gs	Method	GENSCAN
Start	23106	End	25245
GI	none	Score	.45
Exons	23106..23227, 23495..24355, 24456..24591, 25153..25245		

Seq. No.	1606	Seq. ID	OJ990803_13.9B19.C11
Gene No.	3324	Strand	-
Start	23106	End	26391
Name	OJ990803_13.9B19.C11.o6.np	Method	AAT/NAP
Start	23109	End	26391
GI	6815052	Score	1483
Exons	23109..23227, 23510..23585, 23667..24407, 24456..24591, 25365..25455, 26349..26391		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	1606	Seq. ID	OJ990803_13.9B19.C11
Gene No.	3324	Strand	-
Start	23106	End	26391
Name	OJ990803_13.9B19.C11.o2.tw	Method	TBLASTX:Wheat
Start	24613	End	25146
GI	none	Score	66
Exons	24613..24825, 24643..24975, 24809..24901, 25003..25146		

Seq. No.	1607	Seq. ID	OJ990803_13.9B19.C12
Gene No.	3325	Strand	+
Start	2447	End	2509
Name	OJ990803_13.9B19.C12.o2.gp	Method	AAT/GAP
Start	2447	End	2509
GI	LIB3432-007-P1-K1-E2	Score	109
Exons	2447..2509		
GI Descrip.	'4468813/emb CAB38214 2.0e-10 (AL035601) putative protein [Arabidopsis thaliana]'		

Seq. No.	1607	Seq. ID	OJ990803_13.9B19.C12
Gene No.	3326	Strand	-
Start	1	End	324
Name	OJ990803_13.9B19.C12.o1.np	Method	AAT/NAP
Start	1	End	324

GI 6815052 Score 201
 Exons 1..75, 157..324
 GI Descrip. (AP001080) hypothetical protein [Oryza sativa]

Seq. No. 1607 Seq. ID OJ990803_13.9B19.C12
 Gene No. 3327 Strand -
 Start 1625 End 2306
 Name OJ990803_13.9B19.C12.o1.gp Method AAT/GAP
 Start 1625 End 2306
 GI 4714679 Score 1135
 Exons 1625..2306
 GI Descrip. 5852170/emb|AL117265.1|OST17804 2.0e-10 Oryza sativa
 indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804

Seq. No. 1607 Seq. ID OJ990803_13.9B19.C12
 Gene No. 3328 Strand -
 Start 2621 End 3931
 Name OJ990803_13.9B19.C12.o3.tm Method TBLASTX:Maize
 Start 1776 End 2066
 GI none Score 110
 Exons 1776..1874, 1870..2058, 1878..2066

Seq. No. 1607 Seq. ID OJ990803_13.9B19.C12
 Gene No. 3328 Strand -
 Start 2621 End 3931
 Name OJ990803_13.9B19.C12.o1.tw Method TBLASTX:Wheat
 Start 2151 End 2509
 GI none Score 125
 Exons 2151..2375, 2156..2506, 2261..2509

Seq. No. 1607 Seq. ID OJ990803_13.9B19.C12
 Gene No. 3328 Strand -
 Start 2621 End 3931
 Name OJ990803_13.9B19.C12.o2.tm Method TBLASTX:Maize
 Start 2237 End 2708
 GI none Score 73
 Exons 2237..2323, 2241..2318, 2336..2674, 2559..2675, 2652..2708

Seq. No. 1607 Seq. ID OJ990803_13.9B19.C12
 Gene No. 3328 Strand -
 Start 2621 End 3931
 Name OJ990803_13.9B19.C12.o3.tw Method TBLASTX:Wheat
 Start 2606 End 3158
 GI none Score 67
 Exons 2606..2641, 2751..2789, 2796..3158, 2857..2949

Seq. No. 1607 Seq. ID OJ990803_13.9B19.C12
 Gene No. 3328 Strand -
 Start 2621 End 3931
 Name OJ990803_13.9B19.C12.o2.np Method AAT/NAP
 Start 2621 End 3931
 GI 4539357 Score 545
 Exons 2621..3931
 GI Descrip. (AL049525) putative protein [Arabidopsis thaliana]

Seq. No. 1607 Seq. ID OJ990803_13.9B19.C12
 Gene No. 3328 Strand -

Start	2621	End	3931
Name	OJ990803_13.9B19.C12.o1.ts	Method	TBLASTX:Soybean
Start	2781	End	3308
GI	none	Score	103
Exons	2781..2966, 2955..3182, 2983..3192, 3250..3297, 3252..3308		
Seq. No.	1607	Seq. ID	OJ990803_13.9B19.C12
Gene No.	3328	Strand	-
Start	2621	End	3931
Name	OJ990803_13.9B19.C12.o1.tm	Method	TBLASTX:Maize
Start	2913	End	3875
GI	none	Score	102
Exons	2913..3875, 2914..3186, 3253..3390, 3472..3819		
Seq. No.	1607	Seq. ID	OJ990803_13.9B19.C12
Gene No.	3328	Strand	-
Start	2621	End	3931
Name	OJ990803_13.9B19.C12.o4.tw	Method	TBLASTX:Wheat
Start	3165	End	3509
GI	none	Score	90
Exons	3165..3245, 3237..3389, 3399..3509		
Seq. No.	1607	Seq. ID	OJ990803_13.9B19.C12
Gene No.	3328	Strand	-
Start	2621	End	3931
Name	OJ990803_13.9B19.C12.o2.tw	Method	TBLASTX:Wheat
Start	3510	End	3824
GI	none	Score	182
Exons	3510..3575, 3513..3824, 3550..3789		
Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3329	Strand	+
Start	2980	End	5146
Name	OJ990803_13.9B19.C13.o1.np	Method	AAT/NAP
Start	2977	End	5146
GI	1171577	Score	796
Exons	2977..4352, 5113..5146		
GI Descrip.	(X95343) hypersensitivity-related gene [Nicotiana tabacum]		
Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3329	Strand	+
Start	2980	End	5146
Name	OJ990803_13.9B19.C13.o2.gs	Method	GENSCAN
Start	2980	End	4413
GI	none	Score	.59
Exons	2980..4413		
Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3330	Strand	+
Start	7506	End	15446
Name	OJ990803_13.9B19.C13.o2.np	Method	AAT/NAP
Start	6710	End	11120
GI	4680203	Score	1461
Exons	6710..8258, 8326..8430, 8590..8810, 9088..9836, 10851..11120		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13

Gene No.	3330	Strand	+
Start	7506	End	15446
Name	OJ990803_13.9B19.C13.o3.gs	Method	GENSCAN
Start	7506	End	15446
GI	none	Score	.69
Exons	7506..8213, 8398..8837, 9088..9359, 9408..10038, 10582..11107, 11737..11988, 12074..12687, 12771..12876, 12937..13641, 13678..14333, 14417..14668, 14749..14859, 14947..15025, 15109..15201, 15279..15446		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3331	Strand	+
Start	30483	End	30959
Name	OJ990803_13.9B19.C13.o5.gp	Method	AAT/GAP
Start	30483	End	30959
GI	uC-osroM202020e03b1	Score	827
Exons	30483..30606, 30637..30959		
GI Descrip.	'5852170/emb AL117265.1 OST17804 2.0e-10 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone: t17804'		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3332	Strand	-
Start	245	End	2074
Name	OJ990803_13.9B19.C13.o1.gs	Method	GENSCAN
Start	245	End	2074
GI	none	Score	.47
Exons	245..1006, 1159..2074		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3333	Strand	-
Start	4475	End	4567
Name	OJ990803_13.9B19.C13.o1.gp	Method	AAT/GAP
Start	4475	End	4567
GI	uC-osflM202097d10b1	Score	81
Exons	4475..4567		
GI Descrip.	'4062935/dbj AB003495.1 AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3334	Strand	-
Start	18054	End	19477
Name	OJ990803_13.9B19.C13.o2.gp	Method	AAT/GAP
Start	18054	End	19477
GI	20366_1.R1084	Score	1427
Exons	18054..18651, 19053..19156, 19431..19477		
GI Descrip.	'1519680 6.0e-09 (U67953) contains similarity to C3HC4-class zinc finger (PS:PS00518) [Caenorhabditis elegans]'		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3335	Strand	-
Start	20852	End	25760
Name	OJ990803_13.9B19.C13.o6.np	Method	AAT/NAP
Start	20852	End	25760
GI	4680204	Score	45
Exons	20852..20889, 23462..23628, 23672..23779, 25694..25760		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3335	Strand	-
Start	20852	End	25760
Name	OJ990803_13.9B19.C13.o3.gp	Method	AAT/GAP
Start	23249	End	23751
GI	none	Score	915
Exons	23249..23751		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901
Name	OJ990803_13.9B19.C13.o4.tw	Method	TBLASTX:Wheat
Start	440	End	806
GI	none	Score	69
Exons	440..667, 456..680, 679..750, 681..806		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901
Name	OJ990803_13.9B19.C13.o1.ts	Method	TBLASTX:Soybean
Start	2995	End	3540
GI	none	Score	265
Exons	2995..3240, 3006..3227, 3253..3357, 3255..3335, 3361..3396, 3423..3536, 3424..3540		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901
Name	OJ990803_13.9B19.C13.o8.tm	Method	TBLASTX:Maize
Start	3162	End	4270
GI	none	Score	125
Exons	3162..3227, 3175..3330, 3273..3326, 3430..3549, 3439..3591, 3453..3590, 3799..3894, 3931..4041, 4129..4203, 4134..4217, 4211..4270		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901
Name	OJ990803_13.9B19.C13.o3.ts	Method	TBLASTX:Soybean
Start	3766	End	28721
GI	none	Score	81
Exons	3766..3885, 3804..4007, 3931..4053, 4120..4206, 4128..4208, 4216..4335, 28656..28721		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901
Name	OJ990803_13.9B19.C13.o5.tw	Method	TBLASTX:Wheat
Start	7230	End	7587
GI	none	Score	163
Exons	7230..7433, 7301..7453, 7349..7438, 7484..7582, 7485..7583, 7504..7587		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901
Name	OJ990803_13.9B19.C13.o5.ts	Method	TBLASTX:Soybean

Start	7311	End	7742
GI	none	Score	105
Exons	7311..7475, 7316..7438, 7509..7742, 7511..7741		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901
Name	OJ990803_13.9B19.C13.o5.tm	Method	TBLASTX:Maize
Start	7368	End	7868
GI	none	Score	93
Exons	7368..7466, 7587..7868, 7619..7786, 7626..7805		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901
Name	OJ990803_13.9B19.C13.o3.tc	Method	TBLASTX:Cress
Start	7464	End	7823
GI	none	Score	271
Exons	7464..7823		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901
Name	OJ990803_13.9B19.C13.o3.tw	Method	TBLASTX:Wheat
Start	7589	End	7910
GI	none	Score	324
Exons	7589..7909, 7596..7910		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901
Name	OJ990803_13.9B19.C13.o2.tm	Method	TBLASTX:Maize
Start	8677	End	9061
GI	none	Score	59
Exons	8677..8745, 8745..8960, 8746..8961, 8957..9061, 8959..9057		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901
Name	OJ990803_13.9B19.C13.o1.tw	Method	TBLASTX:Wheat
Start	8701	End	9910
GI	none	Score	174
Exons	8701..8961, 8929..9153, 8957..9457, 9175..9231, 9436..9603, 9470..9625, 9614..9718, 9644..9700, 9731..9835, 9736..9828, 9842..9910		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901
Name	OJ990803_13.9B19.C13.o2.tc	Method	TBLASTX:Cress
Start	8992	End	9415
GI	none	Score	297
Exons	8992..9153, 8993..9415, 9175..9231		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901

Name	OJ990803_13.9B19.C13.o7.tm	Method	TBLASTX:Maize
Start	9311	End	9604
GI	none	Score	151
Exons	9311..9499, 9485..9604		
Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901
Name	OJ990803_13.9B19.C13.o4.tm	Method	TBLASTX:Maize
Start	18408	End	23287
GI	none	Score	49
Exons	18408..18482, 18416..18493, 18417..18476, 18473..18523, 18516..18665, 18520..18681, 18521..18652, 18522..18665, 19038..19163, 19051..19176, 19052..19159, 19421..19507, 19428..19511, 19428..19547, 19429..19515, 19430..19552, 19627..19797, 19628..19792, 19635..19793, 20648..20737, 20648..20737, 20649..20738, 20649..20738, 20686..20739, 21357..21545, 21358..21537, 21363..21545, 21968..22045, 21969..22046, 23063..23179, 23076..23177, 23078..23287		
Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901
Name	OJ990803_13.9B19.C13.o7.ts	Method	TBLASTX:Soybean
Start	18546	End	20739
GI	none	Score	125
Exons	18546..18650, 18550..18681, 19052..19159, 19053..19163, 19065..19160, 19420..19509, 19425..19547, 19429..19515, 19640..19792, 19651..19725, 19660..19794, 19662..19796, 20649..20738, 20649..20738, 20686..20739		
Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901
Name	OJ990803_13.9B19.C13.o4.ts	Method	TBLASTX:Soybean
Start	21356	End	22030
GI	none	Score	188
Exons	21356..21481, 21357..21545, 21358..21531, 21968..22030, 21969..22028		
Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901
Name	OJ990803_13.9B19.C13.o4.gp	Method	AAT/GAP
Start	28029	End	29064
GI	none	Score	1960
Exons	28029..29064		
Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901
Name	OJ990803_13.9B19.C13.o3.tm	Method	TBLASTX:Maize
Start	28201	End	28513
GI	none	Score	49
Exons	28201..28233, 28204..28233, 28205..28234, 28254..28505, 28262..28513, 28264..28503, 28265..28504, 28323..28505		

Seq. No. 1608
 Gene No. 3336
 Start 28029
 Name OJ990803_13.9B19.C13.o4.tc
 Start 28266
 GI none
 Exons 28266..28496, 28271..28504

Seq. ID OJ990803_13.9B19.C13
 Strand -
 End 33901
 Method TBLASTX:Cress
 End 28504
 Score 144

Seq. No. 1608
 Gene No. 3336
 Start 28029
 Name OJ990803_13.9B19.C13.o6.ts
 Start 28266
 GI none
 Exons 28266..28448, 28271..28453

Seq. ID OJ990803_13.9B19.C13
 Strand -
 End 33901
 Method TBLASTX:Soybean
 End 28453
 Score 177

Seq. No. 1608
 Gene No. 3336
 Start 28029
 Name OJ990803_13.9B19.C13.o7.np
 Start 28268
 GI 6714366
 Exons 28268..29078, 29163..29260, 29361..29489, 33674..33901
 GI Descrip. (AC012562) unknown protein [Arabidopsis thaliana]

Seq. ID OJ990803_13.9B19.C13
 Strand -
 End 33901
 Method AAT/NAP
 End 33901
 Score 1431

Seq. No. 1608
 Gene No. 3336
 Start 28029
 Name OJ990803_13.9B19.C13.o1.tm
 Start 28580
 GI none
 Exons 28580..29005, 28580..29074, 28698..29081, 29162..29254, 29163..29261, 29163..29252, 29165..29260

Seq. ID OJ990803_13.9B19.C13
 Strand -
 End 33901
 Method TBLASTX:Maize
 End 29261
 Score 270

Seq. No. 1608
 Gene No. 3336
 Start 28029
 Name OJ990803_13.9B19.C13.o1.tc
 Start 28646
 GI none
 Exons 28646..28690, 28793..29080, 28794..29081, 29174..29263, 29353..29418, 29359..29424, 29361..29426

Seq. ID OJ990803_13.9B19.C13
 Strand -
 End 33901
 Method TBLASTX:Cress
 End 29426
 Score 185

Seq. No. 1608
 Gene No. 3336
 Start 28029
 Name OJ990803_13.9B19.C13.o2.ts
 Start 28962
 GI none
 Exons 28962..29081, 28964..29080, 29162..29278, 29174..29263, 29353..29490, 29353..29439, 29361..29498, 33656..33727, 33678..33728

Seq. ID OJ990803_13.9B19.C13
 Strand -
 End 33901
 Method TBLASTX:Soybean
 End 33728
 Score 109

Seq. No. 1608
 Gene No. 3336
 Start 28029
 Name OJ990803_13.9B19.C13.o2.tw
 Method TBLASTX:Wheat

Seq. ID OJ990803_13.9B19.C13
 Strand -
 End 33901
 Method TBLASTX:Wheat

Start	29033	End	33854
GI	none	Score	61
Exons	29033..29074, 29034..29081, 29037..29078, 29038..29079, 29160..29261, 29165..29263, 29166..29303, 29359..29493, 29359..29448, 29361..29498, 29361..29498, 33656..33808, 33674..33850, 33675..33854		

Seq. No.	1608	Seq. ID	OJ990803_13.9B19.C13
Gene No.	3336	Strand	-
Start	28029	End	33901
Name	OJ990803_13.9B19.C13.o6.tm	Method	TBLASTX:Maize
Start	29359	End	33898
GI	none	Score	215
Exons	29359..29493, 29359..29445, 29361..29498, 29361..29498, 33656..33808, 33674..33892, 33675..33887, 33866..33898		

Seq. No.	1609	Seq. ID	OJ990803_13.9B19.C14
Gene No.	3337	Strand	-
Start	1	End	852
Name	OJ990803_13.9B19.C14.o1.np	Method	AAT/NAP
Start	1	End	852
GI	6714366	Score	303
Exons	1..30, 346..852		
GI Descrip.	(AC012562) unknown protein [Arabidopsis thaliana]		

Seq. No.	1609	Seq. ID	OJ990803_13.9B19.C14
Gene No.	3337	Strand	-
Start	1	End	852
Name	OJ990803_13.9B19.C14.o1.tm	Method	TBLASTX:Maize
Start	395	End	660
GI	none	Score	367
Exons	395..658, 395..658, 397..660, 397..660		

Seq. No.	1610	Seq. ID	OJ990803_13.9B19.C15
Gene No.	3338	Strand	-
Start	100	End	765
Name	OJ990803_13.9B19.C15.o1.np	Method	AAT/NAP
Start	100	End	765
GI	6815052	Score	320
Exons	100..216, 499..574, 656..765		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	1611	Seq. ID	OJ990803_13.9B19.C16
Gene No.	3339	Strand	-
Start	1	End	648
Name	OJ990803_13.9B19.C16.o1.np	Method	AAT/NAP
Start	1	End	648
GI	6498436	Score	282
Exons	1..648		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	1612	Seq. ID	OJ990803_13.9B19.C17
Gene No.	3340	Strand	-
Start	29	End	380
Name	OJ990803_13.9B19.C17.o1.gs	Method	GENSCAN
Start	29	End	380
GI	none	Score	.7

Exons 29..171, 251..380

Seq. No.	1613	Seq. ID	OJ990803_13.9B19.C19
Gene No.	3341	Strand	-
Start	1	End	216
Name	OJ990803_13.9B19.C19.ol.np	Method	AAT/NAP
Start	1	End	216
GI	6539585	Score	113
Exons	1..216		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	1614	Seq. ID	OJ990803_13.9B19.C22
Gene No.	3342	Strand	-
Start	136	End	449
Name	OJ990803_13.9B19.C22.ol.gs	Method	GENSCAN
Start	136	End	449
GI	none	Score	.45
Exons	136..449		

Seq. No.	1615	Seq. ID	OJ990803_13.9B19.C24
Gene No.	3343	Strand	+
Start	64	End	280
Name	OJ990803_13.9B19.C24.ol.gs	Method	GENSCAN
Start	64	End	280
GI	none	Score	.45
Exons	64..280		

Seq. No.	1616	Seq. ID	OJ990803_13.9B19.C27
Gene No.	3344	Strand	+
Start	104	End	713
Name	OJ990803_13.9B19.C27.ol.gs	Method	GENSCAN
Start	104	End	713
GI	none	Score	.65
Exons	104..152, 516..713		

Seq. No.	1617	Seq. ID	OJ990803_13.9B19.C28
Gene No.	3345	Strand	-
Start	55	End	703
Name	OJ990803_13.9B19.C28.ol.gs	Method	GENSCAN
Start	55	End	452
GI	none	Score	.54
Exons	55..326, 367..452		

Seq. No.	1617	Seq. ID	OJ990803_13.9B19.C28
Gene No.	3345	Strand	-
Start	55	End	703
Name	OJ990803_13.9B19.C28.ol.np	Method	AAT/NAP
Start	112	End	703
GI	5852180	Score	261
Exons	112..703		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	1618	Seq. ID	OJ990803_13.9B19.C32
Gene No.	3346	Strand	+
Start	1	End	945
Name	OJ990803_13.9B19.C32.ol.np	Method	AAT/NAP
Start	1	End	945

GI 6815109 Score 184
 Exons 1..945
 GI Descrip. (AP001081) hypothetical protein [Oryza sativa]

Seq. No. 1618 Seq. ID OJ990803_13.9B19.C32
 Gene No. 3347 Strand -
 Start 201 End 897
 Name OJ990803_13.9B19.C32.ol.gs Method GENSCAN
 Start 201 End 897
 GI none Score .53
 Exons 201..316, 409..897

Seq. No. 1619 Seq. ID OJ990803_13.9B19.C33
 Gene No. 3348 Strand +
 Start 46 End 71
 Name OJ990803_13.9B19.C33.ol.gs Method GENSCAN
 Start 46 End 71
 GI none Score .96
 Exons 46..71

Seq. No. 1620 Seq. ID OJ990803_13.9B19.C34
 Gene No. 3349 Strand +
 Start 504 End 608
 Name OJ990803_13.9B19.C34.ol.gp Method AAT/GAP
 Start 504 End 608
 GI uC-osflcyp088b12b1 Score 137
 Exons 504..608
 GI Descrip. '5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic
 DNA, chromosome 8, clone:P0026F07'

Seq. No. 1620 Seq. ID OJ990803_13.9B19.C34
 Gene No. 3350 Strand -
 Start 321 End 499
 Name OJ990803_13.9B19.C34.ol.gs Method GENSCAN
 Start 321 End 499
 GI none Score .73
 Exons 321..499

Seq. No. 1621 Seq. ID OJ990803_13.9B19.C35
 Gene No. 3351 Strand +
 Start 1 End 1398
 Name OJ990803_13.9B19.C35.ol.np Method AAT/NAP
 Start 1 End 1398
 GI 2062362 Score 69
 Exons 1..43, 1209..1398
 GI Descrip. (U64896) vp78 [Anagrapha falcifera nuclear polyhedrosis virus]
 gi|3511217|gb|AAC33759.1| (AF068270) capsid-associated protein
 [Rachiplusia ou nuclear polyhedrosis virus]

Seq. No. 1622 Seq. ID OJ990803_13.9B19.C36
 Gene No. 3352 Strand +
 Start 245 End 1033
 Name OJ990803_13.9B19.C36.ol.gs Method GENSCAN
 Start 245 End 1033
 GI none Score .71
 Exons 245..316, 539..606, 904..1033

Seq. No.	1623	Seq. ID	OJ990803_13.9B19.C38
Gene No.	3353	Strand	+
Start	364	End	603
Name	OJ990803_13.9B19.C38.o1.gs	Method	GENSCAN
Start	364	End	603
GI	none	Score	.55
Exons	364..603		

Seq. No.	1624	Seq. ID	OJ990803_13.9B19.C39
Gene No.	3354	Strand	+
Start	224	End	501
Name	OJ990803_13.9B19.C39.o1.np	Method	AAT/NAP
Start	224	End	501
GI	2492514	Score	224
Exons	224..501		
GI Descrip.	CELL DIVISION PROTEIN FTSH HOMOLOG PRECURSOR gi 1483215 emb CAA68141 (X99808) chloroplast FtsH protease [Arabidopsis thaliana]		

Seq. No.	1624	Seq. ID	OJ990803_13.9B19.C39
Gene No.	3355	Strand	-
Start	116	End	499
Name	OJ990803_13.9B19.C39.o1.gs	Method	GENSCAN
Start	116	End	434
GI	none	Score	.59
Exons	116..434		

Seq. No.	1624	Seq. ID	OJ990803_13.9B19.C39
Gene No.	3355	Strand	-
Start	116	End	499
Name	OJ990803_13.9B19.C39.o1.tm	Method	TBLASTX:Maize
Start	217	End	499
GI	none	Score	238
Exons	217..369, 239..499, 447..494		

Seq. No.	1625	Seq. ID	OJ990803_13.9B19.C40
Gene No.	3356	Strand	-
Start	207	End	366
Name	OJ990803_13.9B19.C40.o1.gs	Method	GENSCAN
Start	207	End	366
GI	none	Score	.55
Exons	207..366		

Seq. No.	1626	Seq. ID	OJ990803_13.9B19.C42
Gene No.	3357	Strand	+
Start	1	End	1122
Name	OJ990803_13.9B19.C42.o1.np	Method	AAT/NAP
Start	1	End	1104
GI	5042169	Score	86
Exons	1..28, 907..1104		
GI Descrip.	(AL078620) putative protein [Arabidopsis thaliana]		

Seq. No.	1626	Seq. ID	OJ990803_13.9B19.C42
Gene No.	3357	Strand	+
Start	1	End	1122
Name	OJ990803_13.9B19.C42.o1.gs	Method	GENSCAN
Start	90	End	1122

GI none
Exons 90..193, 640..1122

Score .54

Seq. No. 1627
Gene No. 3358
Start 198
Name OJ990803_13.9B19.C44.o1.gs
Start 198
GI none
Exons 198..274, 309..386

Seq. ID OJ990803_13.9B19.C44
Strand -
End 386
Method GENSCAN
End 386
Score .65

Seq. No. 1628
Gene No. 3359
Start 220
Name OJ990803_13.9B19.C45.o1.gs
Start 220
GI none
Exons 220..317

Seq. ID OJ990803_13.9B19.C45
Strand +
End 317
Method GENSCAN
End 317
Score .96

Seq. No. 1629
Gene No. 3360
Start 55
Name OJ990423_07.9B01.C1.o1.gs
Start 55
GI none
Exons 55..168, 642..1156

Seq. ID OJ990423_07.9B01.C1
Strand +
End 1345
Method GENSCAN
End 1156
Score .86

Seq. No. 1629
Gene No. 3360
Start 55
Name OJ990423_07.9B01.C1.o1.gp
Start 94
GI 12969_1.R1084
Exons 94..168, 642..1345

Seq. ID OJ990423_07.9B01.C1
Strand +
End 1345
Method AAT/GAP
End 1345
Score 1487

GI Descrip. '3935141 1.0e-57 (AC005106) T25N20.5 [Arabidopsis thaliana]'

Seq. No. 1629
Gene No. 3360
Start 55
Name OJ990423_07.9B01.C1.o1.np
Start 791
GI 3935141
Exons 791..1147

Seq. ID OJ990423_07.9B01.C1
Strand +
End 1345
Method AAT/NAP
End 1147
Score 189

GI Descrip. (AC005106) T25N20.5 [Arabidopsis thaliana]

Seq. No. 1629
Gene No. 3361
Start 1968
Name OJ990423_07.9B01.C1.o2.gs
Start 1968
GI none
Exons 1968..2098, 2138..2228

Seq. ID OJ990423_07.9B01.C1
Strand -
End 2228
Method GENSCAN
End 2228
Score 1

Seq. No. 1629
Gene No. 3362
Start 2957
Name OJ990423_07.9B01.C1.o2.tm

Seq. ID OJ990423_07.9B01.C1
Strand -
End 4454
Method TBLASTX:Maize

Start	93	End	871
GI	none	Score	66
Exons	93..170, 95..169, 640..720, 640..720, 727..870, 734..871		

Seq. No.	1629	Seq. ID	OJ990423_07.9B01.C1
Gene No.	3362	Strand	-
Start	2957	End	4454
Name	OJ990423_07.9B01.C1.o2.np	Method	AAT/NAP
Start	2940	End	4454
GI	3935144	Score	131
Exons	2940..3229, 3929..4078, 4170..4454		
GI Descrip.	(AC005106) T25N20.8 [Arabidopsis thaliana]		

Seq. No.	1629	Seq. ID	OJ990423_07.9B01.C1
Gene No.	3362	Strand	-
Start	2957	End	4454
Name	OJ990423_07.9B01.C1.o3.gs	Method	GENSCAN
Start	2957	End	4439
GI	none	Score	.92
Exons	2957..3229, 3929..4081, 4170..4439		

Seq. No.	1629	Seq. ID	OJ990423_07.9B01.C1
Gene No.	3362	Strand	-
Start	2957	End	4454
Name	OJ990423_07.9B01.C1.o1.tm	Method	TBLASTX:Maize
Start	4170	End	4388
GI	none	Score	70
Exons	4170..4226, 4170..4220, 4221..4388, 4221..4376, 4279..4377		

Seq. No.	1630	Seq. ID	OJ990423_07.9B01.C2
Gene No.	3363	Strand	+
Start	118	End	299
Name	OJ990423_07.9B01.C2.o1.gs	Method	GENSCAN
Start	118	End	299
GI	none	Score	.98
Exons	118..299		

Seq. No.	1630	Seq. ID	OJ990423_07.9B01.C2
Gene No.	3364	Strand	-
Start	1	End	243
Name	OJ990423_07.9B01.C2.o1.np	Method	AAT/NAP
Start	1	End	243
GI	3935144	Score	97
Exons	1..243		
GI Descrip.	(AC005106) T25N20.8 [Arabidopsis thaliana]		

Seq. No.	1631	Seq. ID	OJ990423_07.9B01.C3
Gene No.	3365	Strand	-
Start	1	End	106
Name	OJ990423_07.9B01.C3.o1.np	Method	AAT/NAP
Start	1	End	106
GI	1196998	Score	174
Exons	1..106		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi 5103202 dbj BAA78838.1 (AP000342) transposase of Tn10 [Plasmid R100] gi 5706382 dbj BAA83097.1 (AB026428) transposase [Methylomonas aminofaciens] gi 5738092 gb AAD50250.1 AF162223_9		

(AF162223) IS10-right transposase [Shigella flexneri]
gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4012.21
[Arabidopsis thaliana]

Seq. No.	1631	Seq. ID	OJ990423_07.9B01.C3
Gene No.	3366	Strand	
Start	66	End	224
Name	OJ990423_07.9B01.C3.o1.tc	Method	TBLASTX:Cress
Start	66	End	224
GI	none	Score	222
Exons	66..224, 66..218, 67..222, 68..223		

Seq. No.	1632	Seq. ID	OJ990423_07.9B01.C4
Gene No.	3367	Strand	-
Start	1	End	378
Name	OJ990423_07.9B01.C4.o1.np	Method	AAT/NAP
Start	1	End	377
GI	3810596	Score	162
Exons	1..377		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	1632	Seq. ID	OJ990423_07.9B01.C4
Gene No.	3367	Strand	-
Start	1	End	378
Name	OJ990423_07.9B01.C4.o1.gs	Method	GENSCAN
Start	22	End	378
GI	none	Score	.47
Exons	22..378		

Seq. No.	1633	Seq. ID	OJ990423_07.9B01.C5
Gene No.	3368	Strand	+
Start	1	End	516
Name	OJ990423_07.9B01.C5.o1.np	Method	AAT/NAP
Start	1	End	516
GI	6539553	Score	843
Exons	1..516		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	1633	Seq. ID	OJ990423_07.9B01.C5
Gene No.	3368	Strand	+
Start	1	End	516
Name	OJ990423_07.9B01.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	274
GI	none	Score	174
Exons	1..270, 2..274, 6..272		

Seq. No.	1633	Seq. ID	OJ990423_07.9B01.C5
Gene No.	3368	Strand	+
Start	1	End	516
Name	OJ990423_07.9B01.C5.o1.tw	Method	TBLASTX:Wheat
Start	5	End	212
GI	none	Score	211
Exons	5..211, 6..212		

Seq. No. 1634
Gene No. 3369
Start 22
Name OJ990423_07.9B01.C8.o1.gs
Start 22
GI none
Exons 22..119, 124..253

Seq. ID OJ990423_07.9B01.C8
Strand +
End 253
Method GENSCAN
End 253
Score .61

Seq. No. 1634
Gene No. 3370
Start 1064
Name OJ990423_07.9B01.C8.o2.gs
Start 1064
GI none
Exons 1064..1189, 1579..1662

Seq. ID OJ990423_07.9B01.C8
Strand -
End 1662
Method GENSCAN
End 1662
Score .98

Seq. No. 1635
Gene No. 3371
Start 1227
Name OJ990423_07.9B01.C9.o2.gs
Start 1227
GI none
Exons 1227..2018, 2201..2209

Seq. ID OJ990423_07.9B01.C9
Strand -
End 2297
Method GENSCAN
End 2209
Score .8

Seq. No. 1635
Gene No. 3371
Start 1227
Name OJ990423_07.9B01.C9.o1.np
Start 1230
GI 6539553
Exons 1230..2297

Seq. ID OJ990423_07.9B01.C9
Strand -
End 2297
Method AAT/NAP
End 2297
Score 1693

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No. 1635
Gene No. 3371
Start 1227
Name OJ990423_07.9B01.C9.o1.tw
Start 1366
GI none
Exons 1366..1752, 1404..1751, 1767..1841, 1769..1840, 1771..1842

Seq. ID OJ990423_07.9B01.C9
Strand -
End 2297
Method TBLASTX:Wheat
End 1842
Score 347

Seq. No. 1635
Gene No. 3371
Start 1227
Name OJ990423_07.9B01.C9.o2.ts
Start 1494
GI none
Exons 1494..1703, 1573..1698, 1722..1835, 1735..1809

Seq. ID OJ990423_07.9B01.C9
Strand -
End 2297
Method TBLASTX:Soybean
End 1835
Score 79

Seq. No. 1635
Gene No. 3371
Start 1227
Name OJ990423_07.9B01.C9.o1.tm

Seq. ID OJ990423_07.9B01.C9
Strand -
End 2297
Method TBLASTX:Maize

Start 1698
 GI none
 Exons 1698..2036, 1699..2037

End 2037
 Score 196

Seq. No. 1635
 Gene No. 3371
 Start 1227
 Name OJ990423_07.9B01.C9.o1.ts
 Start 1848
 GI none
 Exons 1848..2192, 1993..2193

Seq. ID OJ990423_07.9B01.C9
 Strand -
 End 2297
 Method TBLASTX:Soybean
 End 2193
 Score 126

Seq. No. 1636
 Gene No. 3372
 Start 1
 Name OJ990423_07.9B01.C10.o1.np
 Start 1
 GI 6539553
 Exons 1..1845

Seq. ID OJ990423_07.9B01.C10
 Strand -
 End 1845
 Method AAT/NAP
 End 1845
 Score 3209

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No. 1636
 Gene No. 3372
 Start 1
 Name OJ990423_07.9B01.C10.o1.tc
 Start 1
 GI none
 Exons 1..162, 17..160

Seq. ID OJ990423_07.9B01.C10
 Strand -
 End 1845
 Method TBLASTX:Cress
 End 162
 Score 73

Seq. No. 1636
 Gene No. 3372
 Start 1
 Name OJ990423_07.9B01.C10.o2.ts
 Start 1
 GI 5509260
 Exons 1..255
 GI Descrip. -

Seq. ID OJ990423_07.9B01.C10
 Strand -
 End 1845
 Method TBLASTX:Soybean
 End 255
 Score 207

Seq. No. 1636
 Gene No. 3372
 Start 1
 Name OJ990423_07.9B01.C10.o3.tm
 Start 1
 GI none
 Exons 1..249, 80..217

Seq. ID OJ990423_07.9B01.C10
 Strand -
 End 1845
 Method TBLASTX:Maize
 End 249
 Score 77

Seq. No. 1636
 Gene No. 3372
 Start 1
 Name OJ990423_07.9B01.C10.o1.tw
 Start 175
 GI none
 Exons 175..414, 176..334, 192..422, 195..392, 443..922, 466..930

Seq. ID OJ990423_07.9B01.C10
 Strand -
 End 1845
 Method TBLASTX:Wheat
 End 930
 Score 192

Seq. No.	1636	Seq. ID	OJ990423_07.9B01.C10
Gene No.	3372	Strand	-
Start	1	End	1845
Name	OJ990423_07.9B01.C10.o2.tc	Method	TBLASTX:Cress
Start	556	End	945
GI	none	Score	110
Exons	556..750, 763..945		

Seq. No.	1636	Seq. ID	OJ990423_07.9B01.C10
Gene No.	3372	Strand	-
Start	1	End	1845
Name	OJ990423_07.9B01.C10.o1.ts	Method	TBLASTX:Soybean
Start	580	End	978
GI	none	Score	38
Exons	580..753, 707..745, 754..978, 800..970		

Seq. No.	1636	Seq. ID	OJ990423_07.9B01.C10
Gene No.	3372	Strand	-
Start	1	End	1845
Name	OJ990423_07.9B01.C10.o2.tm	Method	TBLASTX:Maize
Start	766	End	1200
GI	none	Score	82
Exons	766..1200, 791..991		

Seq. No.	1636	Seq. ID	OJ990423_07.9B01.C10
Gene No.	3372	Strand	-
Start	1	End	1845
Name	OJ990423_07.9B01.C10.o2.tw	Method	TBLASTX:Wheat
Start	931	End	1123
GI	none	Score	186
Exons	931..1122, 931..1122, 932..1123		

Seq. No.	1636	Seq. ID	OJ990423_07.9B01.C10
Gene No.	3372	Strand	-
Start	1	End	1845
Name	OJ990423_07.9B01.C10.o3.ts	Method	TBLASTX:Soybean
Start	988	End	1374
GI	none	Score	88
Exons	988..1236, 1219..1374		

Seq. No.	1636	Seq. ID	OJ990423_07.9B01.C10
Gene No.	3372	Strand	-
Start	1	End	1845
Name	OJ990423_07.9B01.C10.o1.tm	Method	TBLASTX:Maize
Start	1401	End	1723
GI	none	Score	395
Exons	1401..1568, 1402..1716, 1403..1696, 1469..1723		

Seq. No.	1637	Seq. ID	OJ990423_07.9B01.C11
Gene No.	3373	Strand	-
Start	1	End	580
Name	OJ990423_07.9B01.C11.o1.np	Method	AAT/NAP
Start	1	End	580
GI	2244836	Score	99
Exons	1..183, 488..580		
GI Descrip.	(Z97337) RNA helicase like protein [Arabidopsis thaliana]		

Seq. No. 1637
 Gene No. 3373
 Start 1
 Name OJ990423_07.9B01.C11.o1.gs
 Start 175
 GI none
 Exons 175..315

Seq. ID OJ990423_07.9B01.C11
 Strand -
 End 580
 Method GENSCAN
 End 315
 Score .75

Seq. No. 1638
 Gene No. 3374
 Start 74
 Name OJ990423_07.9B01.C13.o1.gs
 Start 74
 GI none
 Exons 74..445

Seq. ID OJ990423_07.9B01.C13
 Strand +
 End 445
 Method GENSCAN
 End 445
 Score .52

Seq. No. 1638
 Gene No. 3375
 Start 1
 Name OJ990423_07.9B01.C13.o1.np
 Start 1
 GI 6539553
 Exons 1..403

Seq. ID OJ990423_07.9B01.C13
 Strand -
 End 409
 Method AAT/NAP
 End 403
 Score 668

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No. 1638
 Gene No. 3375
 Start 1
 Name OJ990423_07.9B01.C13.o1.tm
 Start 2
 GI none
 Exons 2..223, 2..274, 3..266

Seq. ID OJ990423_07.9B01.C13
 Strand -
 End 409
 Method TBLASTX:Maize
 End 274
 Score 178

Seq. No. 1638
 Gene No. 3375
 Start 1
 Name OJ990423_07.9B01.C13.o1.tw
 Start 23
 GI none
 Exons 23..409, 24..398

Seq. ID OJ990423_07.9B01.C13
 Strand -
 End 409
 Method TBLASTX:Wheat
 End 409
 Score 255

Seq. No. 1638
 Gene No. 3376
 Start 1820
 Name OJ990423_07.9B01.C13.o2.tm
 Start 1820
 GI none
 Exons 1820..2050, 1821..2042

Seq. ID OJ990423_07.9B01.C13
 Strand -
 End 2050
 Method TBLASTX:Maize
 End 2050
 Score 161

Seq. No. 1639
 Gene No. 3377
 Start 357
 Name OJ990423_07.9B01.C14.o1.gs
 Start 357

Seq. ID OJ990423_07.9B01.C14
 Strand +
 End 2148
 Method GENSCAN
 End 2148

GI none Score .5
Exons 357..654, 689..866, 1131..1300, 1992..2148

Seq. No. 1639 Seq. ID OJ990423_07.9B01.C14
Gene No. 3378 Strand +
Start 4932 End 5403
Name OJ990423_07.9B01.C14.o3.gs Method GENSCAN
Start 4932 End 5403
GI none Score .45
Exons 4932..5033, 5062..5189, 5328..5403

Seq. No. 1639 Seq. ID OJ990423_07.9B01.C14
Gene No. 3379 Strand +
Start 7085 End 11689
Name OJ990423_07.9B01.C14.o1.gp Method AAT/GAP
Start 7004 End 8211
GI uC-osflcyp053a02b1 Score 1011
Exons 7004..7221, 7579..7743, 8017..8211
GI Descrip. '4587566/gb|AAD25797.1|AC006550_5 8.0e-34 (AC006550) Contains 2
PF_00400 WD40, G-beta repeats. [Arabidopsis thaliana]'

Seq. No. 1639 Seq. ID OJ990423_07.9B01.C14
Gene No. 3379 Strand +
Start 7085 End 11689
Name OJ990423_07.9B01.C14.o2.np Method AAT/NAP
Start 7082 End 10095
GI 4587566 Score 495
Exons 7082..7221, 7579..7743, 8017..8180, 8756..8789, 8877..8939,
9703..10095
GI Descrip. (AC006550) Contains 2 PF|00400 WD40, G-beta repeats.
[Arabidopsis thaliana]

Seq. No. 1639 Seq. ID OJ990423_07.9B01.C14
Gene No. 3379 Strand +
Start 7085 End 11689
Name OJ990423_07.9B01.C14.o4.gs Method GENSCAN
Start 7085 End 11689
GI none Score .64
Exons 7085..7221, 7579..7743, 8017..8197, 8324..8380, 8877..8936,
9058..9161, 9244..9304, 9703..10023, 10677..10857, 11526..11689

Seq. No. 1639 Seq. ID OJ990423_07.9B01.C14
Gene No. 3380 Strand +
Start 15665 End 16116
Name OJ990423_07.9B01.C14.o4.gp Method AAT/GAP
Start 15665 End 16116
GI 34168_1.R1084 Score 904
Exons 15665..16116
GI Descrip. '3935138 9.0e-30 (AC005106) T25N20.2 [Arabidopsis thaliana]'

Seq. No. 1639 Seq. ID OJ990423_07.9B01.C14
Gene No. 3381 Strand -
Start 361 End 3645
Name OJ990423_07.9B01.C14.o1.np Method AAT/NAP
Start 361 End 3645
GI 4587551 Score 141
Exons 361..426, 2589..2720, 3410..3645

GI Descrip. (AC006577) F15I1.18 [Arabidopsis thaliana]

Seq. No.	1639	Seq. ID	OJ990423_07.9B01.C14
Gene No.	3381	Strand	-
Start	361	End	3645
Name	OJ990423_07.9B01.C14.o2.gs	Method	GENSCAN
Start	2488	End	3630
GI	none	Score	.56
Exons	2488..2655, 3547..3630		

Seq. No.	1639	Seq. ID	OJ990423_07.9B01.C14
Gene No.	3382	Strand	-
Start	9577	End	9979
Name	OJ990423_07.9B01.C14.o2.gp	Method	AAT/GAP
Start	9577	End	9979
GI	LIB3433-031-P1-K1-D7	Score	767
Exons	9577..9979		
GI Descrip.	'6015437/dbj AB008112.1 AB008112 1.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	1639	Seq. ID	OJ990423_07.9B01.C14
Gene No.	3383	Strand	-
Start	10066	End	10393
Name	OJ990423_07.9B01.C14.o3.gp	Method	AAT/GAP
Start	10066	End	10393
GI	none	Score	633
Exons	10066..10393		

Seq. No.	1639	Seq. ID	OJ990423_07.9B01.C14
Gene No.	3384	Strand	-
Start	14066	End	15940
Name	OJ990423_07.9B01.C14.o2.tm	Method	TBLASTX:Maize
Start	7706	End	8792
GI	none	Score	63
Exons	7706..7744, 8014..8196, 8018..8197, 8018..8197, 8312..8383, 8317..8382, 8460..8546, 8474..8548, 8474..8542, 8714..8791, 8715..8792		

Seq. No.	1639	Seq. ID	OJ990423_07.9B01.C14
Gene No.	3384	Strand	-
Start	14066	End	15940
Name	OJ990423_07.9B01.C14.o1.tm	Method	TBLASTX:Maize
Start	8876	End	10083
GI	none	Score	97
Exons	8876..8935, 8877..8939, 9048..9161, 9055..9159, 9055..9180, 9056..9160, 9241..9321, 9242..9319, 9255..9332, 9699..9962, 9700..9966, 9884..9967, 9960..10067, 9961..10083, 9963..10019, 9964..10065		

Seq. No.	1639	Seq. ID	OJ990423_07.9B01.C14
Gene No.	3384	Strand	-
Start	14066	End	15940
Name	OJ990423_07.9B01.C14.o5.gs	Method	GENSCAN
Start	14066	End	15940
GI	none	Score	.78
Exons	14066..14213, 15393..15485, 15795..15940		

Seq. No.	1640	Seq. ID	OJ990423_07.9B01.C15
Gene No.	3385	Strand	+
Start	1	End	1715
Name	OJ990423_07.9B01.C15.o1.np	Method	AAT/NAP
Start	1	End	1715
GI	4874307	Score	72
Exons	1..43, 374..469, 1687..1715		
GI Descrip.	(AC006053) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1640	Seq. ID	OJ990423_07.9B01.C15
Gene No.	3385	Strand	+
Start	1	End	1715
Name	OJ990423_07.9B01.C15.o1.gs	Method	GENSCAN
Start	29	End	577
GI	none	Score	.97
Exons	29..577		

Seq. No.	1640	Seq. ID	OJ990423_07.9B01.C15
Gene No.	3386	Strand	-
Start	361	End	833
Name	OJ990423_07.9B01.C15.o1.gp	Method	AAT/GAP
Start	361	End	833
GI	none	Score	946
Exons	361..833		

Seq. No.	1641	Seq. ID	OJ990423_07.9B01.C16
Gene No.	3387	Strand	-
Start	438	End	3577
Name	OJ990423_07.9B01.C16.o1.gs	Method	GENSCAN
Start	438	End	3577
GI	none	Score	.51
Exons	438..554, 908..1822, 2412..2607, 2689..2870, 3111..3243, 3330..3577		

Seq. No.	1641	Seq. ID	OJ990423_07.9B01.C16
Gene No.	3387	Strand	-
Start	438	End	3577
Name	OJ990423_07.9B01.C16.o1.tm	Method	TBLASTX:Maize
Start	932	End	1342
GI	none	Score	386
Exons	932..1342, 934..1341		

Seq. No.	1641	Seq. ID	OJ990423_07.9B01.C16
Gene No.	3387	Strand	-
Start	438	End	3577
Name	OJ990423_07.9B01.C16.o2.ts	Method	TBLASTX:Soybean
Start	1473	End	1729
GI	none	Score	138
Exons	1473..1718, 1475..1729		

Seq. No.	1641	Seq. ID	OJ990423_07.9B01.C16
Gene No.	3387	Strand	-
Start	438	End	3577
Name	OJ990423_07.9B01.C16.o2.tm	Method	TBLASTX:Maize
Start	1749	End	2617
GI	none	Score	104
Exons	1749..1823, 1750..1824, 1751..1825, 1752..1823, 2412..2474,		

2412..2606, 2485..2562, 2552..2617

Seq. No.	1641	Seq. ID	OJ990423_07.9B01.C16
Gene No.	3387	Strand	-
Start	438	End	3577
Name	OJ990423_07.9B01.C16.o1.ts	Method	TBLASTX:Soybean
Start	2436	End	3233
GI	none	Score	83
Exons	2436..2609, 2688..2864, 2734..2820, 2780..2872, 2795..2860, 3111..3233		

Seq. No.	1642	Seq. ID	OJ990423_07.9B01.C17
Gene No.	3388	Strand	+
Start	1	End	8409
Name	OJ990423_07.9B01.C17.o1.np	Method	AAT/NAP
Start	1	End	8409
GI	5823579	Score	1379
Exons	1..48, 774..845, 1186..1307, 1388..1578, 1747..1887, 2515..2637, 3796..3873, 4405..4573, 4704..4816, 4912..4992, 5498..5563, 7403..7467, 7620..7665, 7749..7865, 8148..8239, 8325..8409		
GI Descrip.	(AJ132843) mitochondrial RNA helicase [Arabidopsis thaliana]		

Seq. No.	1642	Seq. ID	OJ990423_07.9B01.C17
Gene No.	3388	Strand	+
Start	1	End	8409
Name	OJ990423_07.9B01.C17.o1.gs	Method	GENSCAN
Start	129	End	5942
GI	none	Score	.88
Exons	129..201, 728..845, 1186..1307, 1367..1578, 1747..1887, 2374..2514, 3796..3873, 4405..4573, 4704..4816, 4850..4992, 5461..5563, 5772..5942		

Seq. No.	1642	Seq. ID	OJ990423_07.9B01.C17
Gene No.	3389	Strand	-
Start	9313	End	12513
Name	OJ990423_07.9B01.C17.o3.ts	Method	TBLASTX:Soybean
Start	4506	End	4992
GI	none	Score	76
Exons	4506..4577, 4507..4575, 4702..4815, 4703..4816, 4905..4991, 4906..4992		

Seq. No.	1642	Seq. ID	OJ990423_07.9B01.C17
Gene No.	3389	Strand	-
Start	9313	End	12513
Name	OJ990423_07.9B01.C17.o2.tm	Method	TBLASTX:Maize
Start	4518	End	8442
GI	none	Score	96
Exons	4518..4574, 4519..4575, 4520..4576, 4702..4815, 4703..4816, 4703..4816, 4906..5031, 4911..4994, 5475..5561, 5493..5558, 5497..5562, 5498..5563, 5501..5563, 7403..7465, 7406..7462, 7603..7665, 7618..7665, 7743..7880, 7743..7868, 8145..8240, 8146..8241, 8147..8242, 8160..8288, 8319..8441, 8325..8426, 8326..8442		

Seq. No.	1642	Seq. ID	OJ990423_07.9B01.C17
Gene No.	3389	Strand	-
Start	9313	End	12513

Name	OJ990423_07.9B01.C17.o2.gs	Method	GENSCAN
Start	9313	End	12427
GI	none	Score	.76
Exons	9313..9393, 10141..11727, 11951..12427		

Seq. No.	1642	Seq. ID	OJ990423_07.9B01.C17
Gene No.	3389	Strand	-
Start	9313	End	12513
Name	OJ990423_07.9B01.C17.o2.np	Method	AAT/NAP
Start	10117	End	12513
GI	6721172	Score	799
Exons	10117..11399, 12486..12513		
GI Descrip.	(AC016829) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1642	Seq. ID	OJ990423_07.9B01.C17
Gene No.	3389	Strand	-
Start	9313	End	12513
Name	OJ990423_07.9B01.C17.o1.tc	Method	TBLASTX:Cress
Start	10201	End	10968
GI	none	Score	195
Exons	10201..10695, 10315..10905, 10528..10968		

Seq. No.	1642	Seq. ID	OJ990423_07.9B01.C17
Gene No.	3389	Strand	-
Start	9313	End	12513
Name	OJ990423_07.9B01.C17.o1.ts	Method	TBLASTX:Soybean
Start	10204	End	10974
GI	none	Score	71
Exons	10204..10461, 10411..10758, 10411..10554, 10414..10974, 10414..10863, 10429..10974, 10462..10635, 10567..10734, 10624..10974, 10625..10759, 10663..10842, 10826..10969		

Seq. No.	1642	Seq. ID	OJ990423_07.9B01.C17
Gene No.	3389	Strand	-
Start	9313	End	12513
Name	OJ990423_07.9B01.C17.o3.tm	Method	TBLASTX:Maize
Start	10297	End	10948
GI	none	Score	224
Exons	10297..10443, 10402..10554, 10435..10659, 10540..10773, 10747..10944, 10747..10947, 10754..10948		

Seq. No.	1642	Seq. ID	OJ990423_07.9B01.C17
Gene No.	3389	Strand	-
Start	9313	End	12513
Name	OJ990423_07.9B01.C17.o1.tm	Method	TBLASTX:Maize
Start	10949	End	11236
GI	none	Score	373
Exons	10949..11236, 10954..11235, 10967..11236		

Seq. No.	1642	Seq. ID	OJ990423_07.9B01.C17
Gene No.	3389	Strand	-
Start	9313	End	12513
Name	OJ990423_07.9B01.C17.o2.ts	Method	TBLASTX:Soybean
Start	11098	End	11350
GI	none	Score	126
Exons	11098..11349, 11102..11350, 11129..11350		

Seq. No.	1643	Seq. ID	OJ990423_07.9B01.C18
Gene No.	3390	Strand	+
Start	7304	End	10615
Name	OJ990423_07.9B01.C18.o2.gs	Method	GENSCAN
Start	7304	End	10615
GI	none	Score	.46
Exons	7304..7365, 7511..7592, 9799..9983, 10439..10615		

Seq. No.	1643	Seq. ID	OJ990423_07.9B01.C18
Gene No.	3391	Strand	-
Start	1	End	4819
Name	OJ990423_07.9B01.C18.o1.np	Method	AAT/NAP
Start	1	End	3899
GI	4522005	Score	1616
Exons	1..1359, 1414..3899		
GI Descrip.	(AC007069) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	1643	Seq. ID	OJ990423_07.9B01.C18
Gene No.	3391	Strand	-
Start	1	End	4819
Name	OJ990423_07.9B01.C18.o2.np	Method	AAT/NAP
Start	1	End	3913
GI	2583130	Score	1686
Exons	1..255, 300..3913		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	1643	Seq. ID	OJ990423_07.9B01.C18
Gene No.	3391	Strand	-
Start	1	End	4819
Name	OJ990423_07.9B01.C18.o1.gs	Method	GENSCAN
Start	69	End	4819
GI	none	Score	.55
Exons	69..1093, 1146..1736, 1831..1961, 2086..2585, 2866..3838, 4727..4819		

Seq. No.	1643	Seq. ID	OJ990423_07.9B01.C18
Gene No.	3391	Strand	-
Start	1	End	4819
Name	OJ990423_07.9B01.C18.o3.tw	Method	TBLASTX:Wheat
Start	418	End	810
GI	none	Score	72
Exons	418..810, 613..777		

Seq. No.	1643	Seq. ID	OJ990423_07.9B01.C18
Gene No.	3391	Strand	-
Start	1	End	4819
Name	OJ990423_07.9B01.C18.o1.ts	Method	TBLASTX:Soybean
Start	1268	End	1660
GI	none	Score	133
Exons	1268..1453, 1460..1660		

Seq. No.	1643	Seq. ID	OJ990423_07.9B01.C18
Gene No.	3391	Strand	-
Start	1	End	4819
Name	OJ990423_07.9B01.C18.o2.tw	Method	TBLASTX:Wheat

Start	1364	End	1781
GI	none	Score	85
Exons	1364..1426, 1370..1780, 1382..1774, 1425..1781		

Seq. No.	1643	Seq. ID	OJ990423_07.9B01.C18
Gene No.	3391	Strand	-
Start	1	End	4819
Name	OJ990423_07.9B01.C18.o1.tm	Method	TBLASTX:Maize
Start	1484	End	2376
GI	none	Score	110
Exons	1484..1675, 1915..2217, 2224..2376		

Seq. No.	1643	Seq. ID	OJ990423_07.9B01.C18
Gene No.	3391	Strand	-
Start	1	End	4819
Name	OJ990423_07.9B01.C18.o1.tw	Method	TBLASTX:Wheat
Start	1951	End	2331
GI	none	Score	112
Exons	1951..2118, 1952..2125, 2111..2329, 2111..2260, 2113..2331		

Seq. No.	1643	Seq. ID	OJ990423_07.9B01.C18
Gene No.	3391	Strand	-
Start	1	End	4819
Name	OJ990423_07.9B01.C18.o4.tw	Method	TBLASTX:Wheat
Start	3434	End	3772
GI	none	Score	65
Exons	3434..3772, 3483..3662		

Seq. No.	1644	Seq. ID	OJ990423_07.9B01.C19
Gene No.	3392	Strand	+
Start	3463	End	6968
Name	OJ990423_07.9B01.C19.o1.np	Method	AAT/NAP
Start	3463	End	6968
GI	5042438	Score	701
Exons	3463..3512, 4363..4633, 4698..5700, 6921..6968		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	1644	Seq. ID	OJ990423_07.9B01.C19
Gene No.	3393	Strand	-
Start	6	End	1533
Name	OJ990423_07.9B01.C19.o1.gs	Method	GENSCAN
Start	6	End	1533
GI	none	Score	.87
Exons	6..428, 443..574, 920..1143, 1479..1533		

Seq. No.	1644	Seq. ID	OJ990423_07.9B01.C19
Gene No.	3394	Strand	-
Start	6577	End	6989
Name	OJ990423_07.9B01.C19.o4.gs	Method	GENSCAN
Start	6577	End	6989
GI	none	Score	.97
Exons	6577..6793, 6856..6989		

Seq. No.	1644	Seq. ID	OJ990423_07.9B01.C19
Gene No.	3395	Strand	-
Start	10353	End	15089
Name	OJ990423_07.9B01.C19.o2.np	Method	AAT/NAP

Start	10273	End	14556
GI	6498441	Score	2808
Exons	10273..10289, 10821..10963, 11150..11797, 11979..12113, 12297..12670, 12734..13173, 13507..14556		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	1644	Seq. ID	OJ990423_07.9B01.C19
Gene No.	3395	Strand	-
Start	10353	End	15089
Name	OJ990423_07.9B01.C19.o5.gs	Method	GENSCAN
Start	10353	End	13367
GI	none	Score	.6
Exons	10353..10929, 11395..11533, 11968..12670, 12749..12864, 13061..13367		

Seq. No.	1644	Seq. ID	OJ990423_07.9B01.C19
Gene No.	3395	Strand	-
Start	10353	End	15089
Name	OJ990423_07.9B01.C19.o6.gs	Method	GENSCAN
Start	13437	End	15089
GI	none	Score	.84
Exons	13437..13817, 13907..14047, 14091..15089		

Seq. No.	1644	Seq. ID	OJ990423_07.9B01.C19
Gene No.	3396	Strand	-
Start	16740	End	16929
Name	OJ990423_07.9B01.C19.o4.tw	Method	TBLASTX:Wheat
Start	10332	End	10793
GI	none	Score	67
Exons	10332..10457, 10336..10458, 10488..10526, 10644..10793, 10660..10761		

Seq. No.	1644	Seq. ID	OJ990423_07.9B01.C19
Gene No.	3396	Strand	-
Start	16740	End	16929
Name	OJ990423_07.9B01.C19.o3.tw	Method	TBLASTX:Wheat
Start	10832	End	11278
GI	none	Score	96
Exons	10832..10987, 10833..10970, 11034..11210, 11054..11278		

Seq. No.	1644	Seq. ID	OJ990423_07.9B01.C19
Gene No.	3396	Strand	-
Start	16740	End	16929
Name	OJ990423_07.9B01.C19.o2.tw	Method	TBLASTX:Wheat
Start	11665	End	12091
GI	none	Score	73
Exons	11665..11802, 11684..11806, 11803..11877, 11867..12091, 11868..12086		

Seq. No.	1644	Seq. ID	OJ990423_07.9B01.C19
Gene No.	3396	Strand	-
Start	16740	End	16929
Name	OJ990423_07.9B01.C19.o2.tm	Method	TBLASTX:Maize
Start	11795	End	12148
GI	none	Score	50

Exons 11795..11878, 11800..11874, 11870..12148, 11871..12110,
11945..12136

Seq. No.	1644	Seq. ID	OJ990423_07.9B01.C19
Gene No.	3396	Strand	-
Start	16740	End	16929
Name	OJ990423_07.9B01.C19.o1.ts	Method	TBLASTX:Soybean
Start	11879	End	12115
GI	none	Score	81
Exons	11879..12115, 11880..11996		

Seq. No.	1644	Seq. ID	OJ990423_07.9B01.C19
Gene No.	3396	Strand	-
Start	16740	End	16929
Name	OJ990423_07.9B01.C19.o1.tm	Method	TBLASTX:Maize
Start	12176	End	12532
GI	none	Score	172
Exons	12176..12532, 12186..12452		

Seq. No.	1644	Seq. ID	OJ990423_07.9B01.C19
Gene No.	3396	Strand	-
Start	16740	End	16929
Name	OJ990423_07.9B01.C19.o1.tw	Method	TBLASTX:Wheat
Start	12200	End	12663
GI	none	Score	200
Exons	12200..12661, 12200..12661, 12201..12662, 12220..12663		

Seq. No.	1644	Seq. ID	OJ990423_07.9B01.C19
Gene No.	3396	Strand	-
Start	16740	End	16929
Name	OJ990423_07.9B01.C19.o6.tw	Method	TBLASTX:Wheat
Start	13134	End	13406
GI	none	Score	101
Exons	13134..13406, 13156..13293		

Seq. No.	1644	Seq. ID	OJ990423_07.9B01.C19
Gene No.	3396	Strand	-
Start	16740	End	16929
Name	OJ990423_07.9B01.C19.o5.tw	Method	TBLASTX:Wheat
Start	14076	End	14366
GI	none	Score	125
Exons	14076..14366, 14098..14283		

Seq. No.	1644	Seq. ID	OJ990423_07.9B01.C19
Gene No.	3396	Strand	-
Start	16740	End	16929
Name	OJ990423_07.9B01.C19.o3.tm	Method	TBLASTX:Maize
Start	14121	End	14369
GI	none	Score	104
Exons	14121..14369, 14122..14271		

Seq. No.	1644	Seq. ID	OJ990423_07.9B01.C19
Gene No.	3396	Strand	-
Start	16740	End	16929
Name	OJ990423_07.9B01.C19.o7.gs	Method	GENSCAN
Start	16740	End	16929
GI	none	Score	.64

Exons 16740..16929

Seq. No.	1645	Seq. ID	OJ990423_07.9B01.C20
Gene No.	3397	Strand	-
Start	2104	End	3990
Name	OJ990423_07.9B01.C20.o2.gs	Method	GENSCAN
Start	2104	End	3295
GI	none	Score	.6
Exons	2104..2155, 2247..2461, 2559..3101, 3183..3295		

Seq. No.	1645	Seq. ID	OJ990423_07.9B01.C20
Gene No.	3397	Strand	-
Start	2104	End	3990
Name	OJ990423_07.9B01.C20.o1.tm	Method	TBLASTX:Maize
Start	2231	End	2976
GI	none	Score	208
Exons	2231..2296, 2288..2461, 2289..2462, 2307..2462, 2559..2750, 2560..2700, 2691..2747, 2754..2975, 2757..2873, 2836..2976		

Seq. No.	1645	Seq. ID	OJ990423_07.9B01.C20
Gene No.	3397	Strand	-
Start	2104	End	3990
Name	OJ990423_07.9B01.C20.o1.np	Method	AAT/NAP
Start	2249	End	3990
GI	2351097	Score	771
Exons	2249..2461, 2559..3101, 3183..3390, 3891..3990		
GI Descrip.	(AB006810) ATMRK1 [Arabidopsis thaliana]		

Seq. No.	1645	Seq. ID	OJ990423_07.9B01.C20
Gene No.	3397	Strand	-
Start	2104	End	3990
Name	OJ990423_07.9B01.C20.o1.tc	Method	TBLASTX:Cress
Start	2252	End	3389
GI	none	Score	146
Exons	2252..2284, 2301..2456, 2303..2464, 2566..2700, 2568..2738, 2754..2975, 2839..2976, 3054..3104, 3055..3102, 3183..3239, 3183..3257, 3202..3285, 3249..3389, 3268..3300		

Seq. No.	1645	Seq. ID	OJ990423_07.9B01.C20
Gene No.	3397	Strand	-
Start	2104	End	3990
Name	OJ990423_07.9B01.C20.o1.tw	Method	TBLASTX:Wheat
Start	2255	End	2976
GI	none	Score	151
Exons	2255..2461, 2259..2462, 2559..2747, 2560..2700, 2691..2747, 2739..2873, 2745..2975, 2836..2976		

Seq. No.	1645	Seq. ID	OJ990423_07.9B01.C20
Gene No.	3397	Strand	-
Start	2104	End	3990
Name	OJ990423_07.9B01.C20.o1.ts	Method	TBLASTX:Soybean
Start	2315	End	2921
GI	none	Score	121
Exons	2315..2464, 2316..2456, 2577..2741, 2581..2700, 2739..2921		

Seq. No.	1645	Seq. ID	OJ990423_07.9B01.C20
Gene No.	3397	Strand	-

Start	2104	End	3990
Name	OJ990423_07.9B01.C20.o1.gp	Method	AAT/GAP
Start	3305	End	3539
GI	LIB3477-003-P1-K1-E9	Score	98
Exons	3305..3332, 3472..3539		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA-2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	1646	Seq. ID	OJ990423_07.9B01.C21
Gene No.	3398	Strand	+
Start	609	End	894
Name	OJ990423_07.9B01.C21.o1.gs	Method	GENSCAN
Start	609	End	894
GI	none	Score	.92
Exons	609..894		

Seq. No.	1646	Seq. ID	OJ990423_07.9B01.C21
Gene No.	3399	Strand	-
Start	1	End	1520
Name	OJ990423_07.9B01.C21.o1.np	Method	AAT/NAP
Start	1	End	1438
GI	2244835	Score	140
Exons	1..48, 1172..1438		
GI Descrip.	(Z97337) kinase like protein [Arabidopsis thaliana]		

Seq. No.	1646	Seq. ID	OJ990423_07.9B01.C21
Gene No.	3399	Strand	-
Start	1	End	1520
Name	OJ990423_07.9B01.C21.o2.gs	Method	GENSCAN
Start	1020	End	1520
GI	none	Score	.8
Exons	1020..1520		

Seq. No.	1646	Seq. ID	OJ990423_07.9B01.C21
Gene No.	3400	Strand	-
Start	3144	End	3802
Name	OJ990423_07.9B01.C21.o2.tm	Method	TBLASTX:Maize
Start	1228	End	1410
GI	none	Score	44
Exons	1228..1314, 1230..1274, 1288..1410, 1308..1409		

Seq. No.	1646	Seq. ID	OJ990423_07.9B01.C21
Gene No.	3400	Strand	-
Start	3144	End	3802
Name	OJ990423_07.9B01.C21.o2.tc	Method	TBLASTX:Cress
Start	3138	End	3309
GI	none	Score	65
Exons	3138..3308, 3250..3309		

Seq. No.	1646	Seq. ID	OJ990423_07.9B01.C21
Gene No.	3400	Strand	-
Start	3144	End	3802
Name	OJ990423_07.9B01.C21.o1.ts	Method	TBLASTX:Soybean
Start	3141	End	3801
GI	none	Score	340
Exons	3141..3620, 3151..3621, 3721..3801		

Seq. No.	1646	Seq. ID	OJ990423_07.9B01.C21
Gene No.	3400	Strand	-
Start	3144	End	3802
Name	OJ990423_07.9B01.C21.o1.tm	Method	TBLASTX:Maize
Start	3144	End	3801
GI	none	Score	334
Exons	3144..3623, 3250..3624, 3721..3801		

Seq. No.	1646	Seq. ID	OJ990423_07.9B01.C21
Gene No.	3400	Strand	-
Start	3144	End	3802
Name	OJ990423_07.9B01.C21.o3.gs	Method	GENSCAN
Start	3144	End	3622
GI	none	Score	.82
Exons	3144..3622		

Seq. No.	1646	Seq. ID	OJ990423_07.9B01.C21
Gene No.	3400	Strand	-
Start	3144	End	3802
Name	OJ990423_07.9B01.C21.o1.tw	Method	TBLASTX:Wheat
Start	3144	End	3299
GI	none	Score	195
Exons	3144..3299		

Seq. No.	1646	Seq. ID	OJ990423_07.9B01.C21
Gene No.	3400	Strand	-
Start	3144	End	3802
Name	OJ990423_07.9B01.C21.o2.np	Method	AAT/NAP
Start	3147	End	3802
GI	3892058	Score	691
Exons	3147..3622, 3720..3802		
GI Descrip.	(AC002330) putative glutamate-/aspartate-binding peptide [Arabidopsis thaliana]		

Seq. No.	1646	Seq. ID	OJ990423_07.9B01.C21
Gene No.	3400	Strand	-
Start	3144	End	3802
Name	OJ990423_07.9B01.C21.o1.tc	Method	TBLASTX:Cress
Start	3399	End	3801
GI	none	Score	215
Exons	3399..3623, 3400..3624, 3721..3801		

Seq. No.	1647	Seq. ID	OJ990423_07.9B01.C22
Gene No.	3401	Strand	+
Start	577	End	626
Name	OJ990423_07.9B01.C22.o1.gs	Method	GENSCAN
Start	577	End	626
GI	none	Score	.66
Exons	577..626		

Seq. No.	1647	Seq. ID	OJ990423_07.9B01.C22
Gene No.	3402	Strand	+
Start	4790	End	19646
Name	OJ990423_07.9B01.C22.o2.np	Method	AAT/NAP
Start	4790	End	19646
GI	6539567	Score	69

Exons 4790..4932, 5222..5279, 5882..5955, 16897..17004, 19585..19646
 GI Descrip. (AP000836) EST C72938(E2506) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome I BAC T5A14 genomic sequence; unknown protein (AC005223) [Oryza sativa]

Seq. No. 1647 Seq. ID OJ990423_07.9B01.C22
 Gene No. 3403 Strand -
 Start 2354 End 6075
 Name OJ990423_07.9B01.C22.o2.gs Method GENSCAN
 Start 2354 End 6075
 GI none Score .88
 Exons 2354..2415, 2757..2947, 3383..3447, 4676..4718, 4842..4999, 5198..5258, 5765..5883, 5941..6075

Seq. No. 1647 Seq. ID OJ990423_07.9B01.C22
 Gene No. 3403 Strand -
 Start 2354 End 6075
 Name OJ990423_07.9B01.C22.o1.np Method AAT/NAP
 Start 2559 End 2925
 GI 6714453 Score 185
 Exons 2559..2654, 2757..2925
 GI Descrip. (AC011620) unknown protein [Arabidopsis thaliana]

Seq. No. 1647 Seq. ID OJ990423_07.9B01.C22
 Gene No. 3403 Strand -
 Start 2354 End 6075
 Name OJ990423_07.9B01.C22.o1.gp Method AAT/GAP
 Start 4839 End 4996
 GI none Score 172
 Exons 4839..4996

Seq. No. 1647 Seq. ID OJ990423_07.9B01.C22
 Gene No. 3404 Strand -
 Start 7833 End 8298
 Name OJ990423_07.9B01.C22.o2.gp Method AAT/GAP
 Start 7833 End 8298
 GI LIB3432-059-P1-K1-D8 Score 871
 Exons 7833..8298
 GI Descrip. '5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'

Seq. No. 1647 Seq. ID OJ990423_07.9B01.C22
 Gene No. 3405 Strand -
 Start 11794 End 12203
 Name OJ990423_07.9B01.C22.o1.tm Method TBLASTX:Maize
 Start 2558 End 2946
 GI none Score 82
 Exons 2558..2635, 2559..2621, 2559..2636, 2561..2635, 2616..2657, 2767..2856, 2770..2877, 2771..2866, 2860..2946, 2864..2902

Seq. No. 1647 Seq. ID OJ990423_07.9B01.C22
 Gene No. 3405 Strand -
 Start 11794 End 12203
 Name OJ990423_07.9B01.C22.o1.ts Method TBLASTX:Soybean
 Start 2558 End 2952
 GI none Score 108

Exons 2558..2599, 2604..2657, 2770..2877, 2771..2866, 2860..2952

Seq. No.	1647	Seq. ID	OJ990423_07.9B01.C22
Gene No.	3405	Strand	-
Start	11794	End	12203
Name	OJ990423_07.9B01.C22.o3.gp	Method	AAT/GAP
Start	11794	End	12203
GI	2310288	Score	726
Exons	11794..12203		

Seq. No.	1648	Seq. ID	OJ990423_07.9B01.C23
Gene No.	3406	Strand	+
Start	3096	End	8525
Name	OJ990423_07.9B01.C23.o1.np	Method	AAT/NAP
Start	3096	End	8525
GI	1076802	Score	149
Exons	3096..3320, 4358..4696, 8175..8525		
GI Descrip.	extensin-like protein - maize gi 600118 emb CAA84230 (Z34465) extensin-like protein [Zea mays] gi 1096557 prf 2111476A extensin-like domain [Zea mays]		

Seq. No.	1648	Seq. ID	OJ990423_07.9B01.C23
Gene No.	3406	Strand	+
Start	3096	End	8525
Name	OJ990423_07.9B01.C23.o3.gp	Method	AAT/GAP
Start	3256	End	3663
GI	53131_1.R1084	Score	764
Exons	3256..3663		
GI Descrip.	'1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	1648	Seq. ID	OJ990423_07.9B01.C23
Gene No.	3406	Strand	+
Start	3096	End	8525
Name	OJ990423_07.9B01.C23.o1.gs	Method	GENSCAN
Start	3351	End	5225
GI	none	Score	.85
Exons	3351..3860, 4317..5225		

Seq. No.	1648	Seq. ID	OJ990423_07.9B01.C23
Gene No.	3406	Strand	+
Start	3096	End	8525
Name	OJ990423_07.9B01.C23.o2.gs	Method	GENSCAN
Start	7969	End	8448
GI	none	Score	.93
Exons	7969..8448		

Seq. No.	1648	Seq. ID	OJ990423_07.9B01.C23
Gene No.	3407	Strand	-
Start	1	End	119
Name	OJ990423_07.9B01.C23.o1.gp	Method	AAT/GAP
Start	1	End	119
GI	LIB3477-003-P1-K1-E9	Score	176
Exons	1..119		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	1648	Seq. ID	OJ990423_07.9B01.C23
Gene No.	3408	Strand	
Start	3398	End	3740
Name	OJ990423_07.9B01.C23.o1.tm	Method	TBLASTX:Maize
Start	3398	End	3740
GI	none	Score	122
Exons	3398..3478, 3399..3479, 3471..3620, 3471..3596, 3473..3619, 3687..3740		

Seq. No.	1648	Seq. ID	OJ990423_07.9B01.C23
Gene No.	3409	Strand	
Start	4349	End	4805
Name	OJ990423_07.9B01.C23.o2.tm	Method	TBLASTX:Maize
Start	4349	End	4805
GI	none	Score	68
Exons	4349..4429, 4350..4448, 4530..4664, 4535..4660, 4710..4805, 4710..4805		

Seq. No.	1649	Seq. ID	OJ990423_07.9B01.C24
Gene No.	3410	Strand	-
Start	1306	End	1841
Name	OJ990423_07.9B01.C24.o1.gs	Method	GENSCAN
Start	1306	End	1841
GI	none	Score	.58
Exons	1306..1379, 1703..1841		

Seq. No.	1650	Seq. ID	OJ990423_07.9B01.C25
Gene No.	3411	Strand	+
Start	456	End	1207
Name	OJ990423_07.9B01.C25.o1.gp	Method	AAT/GAP
Start	456	End	1207
GI	73404_1.R1084	Score	518
Exons	456..559, 989..1207		
GI Descrip.	'4769000/gb AAD29713.1 3.0e-24 (AF140500) unknown [Oryza sativa]'		

Seq. No.	1650	Seq. ID	OJ990423_07.9B01.C25
Gene No.	3412	Strand	+
Start	1160	End	6110
Name	OJ990423_07.9B01.C25.o1.gs	Method	GENSCAN
Start	1160	End	3890
GI	none	Score	.82
Exons	1160..1495, 1577..2011, 2056..2337, 2361..2403, 2502..2627, 3736..3890		

Seq. No.	1650	Seq. ID	OJ990423_07.9B01.C25
Gene No.	3412	Strand	+
Start	1160	End	6110
Name	OJ990423_07.9B01.C25.o1.np	Method	AAT/NAP
Start	1160	End	6110
GI	3413699	Score	612
Exons	1160..1232, 1260..1495, 1577..1672, 1703..1972, 6074..6110		
GI Descrip.	(AC004747) putative heat shock transcription factor [Arabidopsis thaliana]		

Seq. No.	1650	Seq. ID	OJ990423_07.9B01.C25
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Gene No.	3413	Strand	-
Start	2420	End	2930
Name	OJ990423_07.9B01.C25.o1.ts	Method	TBLASTX:Soybean
Start	1276	End	1930
GI	none	Score	290
Exons	1276..1494, 1277..1495, 1573..1659, 1577..1672, 1721..1930, 1744..1923		

Seq. No.	1650	Seq. ID	OJ990423_07.9B01.C25
Gene No.	3413	Strand	-
Start	2420	End	2930
Name	OJ990423_07.9B01.C25.o1.tw	Method	TBLASTX:Wheat
Start	1288	End	1651
GI	none	Score	229
Exons	1288..1317, 1309..1494, 1310..1495, 1573..1641, 1577..1651		

Seq. No.	1650	Seq. ID	OJ990423_07.9B01.C25
Gene No.	3413	Strand	-
Start	2420	End	2930
Name	OJ990423_07.9B01.C25.o1.tc	Method	TBLASTX:Cress
Start	1312	End	1981
GI	none	Score	239
Exons	1312..1494, 1313..1495, 1564..1659, 1577..1672, 1721..1981, 1744..1974		

Seq. No.	1650	Seq. ID	OJ990423_07.9B01.C25
Gene No.	3413	Strand	-
Start	2420	End	2930
Name	OJ990423_07.9B01.C25.o1.tm	Method	TBLASTX:Maize
Start	1315	End	1672
GI	none	Score	222
Exons	1315..1494, 1316..1495, 1573..1662, 1577..1672		

Seq. No.	1650	Seq. ID	OJ990423_07.9B01.C25
Gene No.	3413	Strand	-
Start	2420	End	2930
Name	OJ990423_07.9B01.C25.o2.tm	Method	TBLASTX:Maize
Start	1727	End	2047
GI	none	Score	263
Exons	1727..1984, 1741..1986, 1979..2047		

Seq. No.	1650	Seq. ID	OJ990423_07.9B01.C25
Gene No.	3413	Strand	-
Start	2420	End	2930
Name	OJ990423_07.9B01.C25.o2.gp	Method	AAT/GAP
Start	2420	End	2930
GI	4768999	Score	938
Exons	2420..2930		
GI Descrip.	4769000/gb AAD29713.1 3.0e-24 (AF140500) unknown [Oryza sativa]		

Seq. No.	1650	Seq. ID	OJ990423_07.9B01.C25
Gene No.	3414	Strand	-
Start	6215	End	6834
Name	OJ990423_07.9B01.C25.o3.tm	Method	TBLASTX:Maize
Start	6215	End	6834
GI	none	Score	52
Exons	6215..6295, 6218..6283, 6319..6456, 6345..6440, 6348..6455,		

6348..6437, 6361..6537, 6362..6460, 6363..6446, 6363..6464,
 6363..6440, 6364..6471, 6364..6447, 6366..6485, 6368..6448,
 6473..6598, 6473..6604, 6473..6592, 6474..6602, 6474..6638,
 6482..6667, 6488..6634, 6492..6602, 6495..6689, 6496..6648,
 6516..6602, 6585..6674, 6586..6675, 6587..6676, 6636..6728,
 6664..6792, 6667..6759, 6667..6729, 6704..6748, 6712..6759,
 6713..6748, 6780..6833, 6793..6834

Seq. No. 1651 Seq. ID OJ990423_07.9B01.C26
 Gene No. 3415 Strand +
 Start 1217 End 4227
 Name OJ990423_07.9B01.C26.o1.gp Method AAT/GAP
 Start 1217 End 4227
 GI 15594_1.R1084 Score 1938
 Exons 1217..1595, 2603..2789, 2971..3078, 3885..4227
 GI Descrip. '3402679 6.0e-09 (AC004697) unknown protein [Arabidopsis thaliana]'

Seq. No. 1651 Seq. ID OJ990423_07.9B01.C26
 Gene No. 3415 Strand +
 Start 1217 End 4227
 Name OJ990423_07.9B01.C26.o1.gs Method GENSCAN
 Start 1392 End 3392
 GI none Score .68
 Exons 1392..1595, 2603..2789, 2971..3078, 3370..3392

Seq. No. 1651 Seq. ID OJ990423_07.9B01.C26
 Gene No. 3416 Strand -
 Start 4899 End 15826
 Name OJ990423_07.9B01.C26.o2.gs Method GENSCAN
 Start 4899 End 8216
 GI none Score .49
 Exons 4899..4928, 5018..5123, 5215..5387, 5706..5864, 5943..6062, 6145..6435, 7135..7339, 8155..8216

Seq. No. 1651 Seq. ID OJ990423_07.9B01.C26
 Gene No. 3416 Strand -
 Start 4899 End 15826
 Name OJ990423_07.9B01.C26.o1.np Method AAT/NAP
 Start 4902 End 15826
 GI 2160148 Score 591
 Exons 4902..4928, 5018..5123, 5215..5387, 5706..5864, 5943..6046, 15806..15826
 GI Descrip. (AC000375) EST gb|H37044 comes from this gene. [Arabidopsis thaliana]

Seq. No. 1651 Seq. ID OJ990423_07.9B01.C26
 Gene No. 3416 Strand -
 Start 4899 End 15826
 Name OJ990423_07.9B01.C26.o3.gs Method GENSCAN
 Start 12943 End 15503
 GI none Score .41
 Exons 12943..13007, 14266..14380, 15288..15503

Seq. No. 1651 Seq. ID OJ990423_07.9B01.C26
 Gene No. 3417 Strand -
 Start 16403 End 16823

Name	OJ990423_07.9B01.C26.o2.tm	Method	TBLASTX:Maize
Start	1445	End	4243
GI	none	Score	280
Exons	1445..1606, 1446..1607, 2602..2787, 2602..2787, 2603..2788, 2603..2788, 2945..3046, 2970..3080, 2970..3077, 2971..3090, 3886..4017, 3887..4024, 3887..4024, 4020..4121, 4046..4123, 4186..4239, 4199..4243		

Seq. No.	1651	Seq. ID	OJ990423_07.9B01.C26
Gene No.	3417	Strand	-
Start	16403	End	16823
Name	OJ990423_07.9B01.C26.o2.ts	Method	TBLASTX:Soybean
Start	1448	End	4018
GI	none	Score	224
Exons	1448..1597, 1449..1598, 2602..2787, 2603..2788, 2621..2794, 2640..2789, 2948..3046, 2970..3080, 2970..3083, 3850..4008, 3887..4018, 3889..3984		

Seq. No.	1651	Seq. ID	OJ990423_07.9B01.C26
Gene No.	3417	Strand	-
Start	16403	End	16823
Name	OJ990423_07.9B01.C26.o2.tc	Method	TBLASTX:Cress
Start	1458	End	2701
GI	none	Score	216
Exons	1458..1607, 1463..1609, 2601..2696, 2602..2700, 2603..2701		

Seq. No.	1651	Seq. ID	OJ990423_07.9B01.C26
Gene No.	3417	Strand	-
Start	16403	End	16823
Name	OJ990423_07.9B01.C26.o1.tm	Method	TBLASTX:Maize
Start	4881	End	6425
GI	none	Score	48
Exons	4881..4940, 4887..4931, 4888..4938, 5015..5122, 5016..5123, 5017..5124, 5018..5125, 5212..5385, 5212..5382, 5214..5387, 5703..5741, 5703..5744, 5742..5876, 5751..5867, 5904..6035, 5929..6036, 6016..6063, 6027..6062, 6145..6288, 6150..6281, 6212..6289, 6311..6385, 6384..6425		

Seq. No.	1651	Seq. ID	OJ990423_07.9B01.C26
Gene No.	3417	Strand	-
Start	16403	End	16823
Name	OJ990423_07.9B01.C26.o1.tc	Method	TBLASTX:Cress
Start	4899	End	6042
GI	none	Score	50
Exons	4899..4952, 4908..4937, 5015..5122, 5016..5123, 5065..5151, 5214..5387, 5215..5388, 5218..5388, 5703..5876, 5706..5852, 5922..6041, 5938..6042, 5983..6042		

Seq. No.	1651	Seq. ID	OJ990423_07.9B01.C26
Gene No.	3417	Strand	-
Start	16403	End	16823
Name	OJ990423_07.9B01.C26.o1.ts	Method	TBLASTX:Soybean
Start	4899	End	6042
GI	none	Score	41
Exons	4899..4952, 4905..4934, 5015..5122, 5016..5153, 5214..5387, 5215..5388, 5218..5388, 5702..5848, 5703..5924, 5733..5864, 5922..6041, 5938..6042		

Seq. No.	1651	Seq. ID	OJ990423_07.9B01.C26
Gene No.	3417	Strand	-
Start	16403	End	16823
Name	OJ990423_07.9B01.C26.o4.gs	Method	GENSCAN
Start	16403	End	16823
GI	none	Score	.52
Exons	16403..16521, 16701..16823		

Seq. No.	1652	Seq. ID	OJ990423_07.9B01.C27
Gene No.	3418	Strand	+
Start	185	End	7620
Name	OJ990423_07.9B01.C27.o1.gs	Method	GENSCAN
Start	185	End	7276
GI	none	Score	.94
Exons	185..291, 1728..1797, 1893..1978, 2104..2239, 3204..3377, 4125..4316, 4793..4907, 5037..6166, 6381..7083, 7174..7276		

Seq. No.	1652	Seq. ID	OJ990423_07.9B01.C27
Gene No.	3418	Strand	+
Start	185	End	7620
Name	OJ990423_07.9B01.C27.o1.np	Method	AAT/NAP
Start	371	End	7620
GI	4587572	Score	2727
Exons	371..409, 1726..1797, 1893..1978, 2104..2239, 2326..2382, 3204..3377, 4125..4316, 4406..4471, 4793..4907, 5037..6166, 6381..7083, 7174..7620		
GI Descrip.	(AC006550) Similar to gb U70015 lysosomal trafficking regulator from Mus musculus and contains 2 PF 00400 WD40, G-beta repeats. ESTs gb T43386 and gb AA395236 come from this gene. [Arabidopsis thaliana]		

Seq. No.	1652	Seq. ID	OJ990423_07.9B01.C27
Gene No.	3418	Strand	+
Start	185	End	7620
Name	OJ990423_07.9B01.C27.o1.ts	Method	TBLASTX:Soybean
Start	5927	End	6485
GI	none	Score	190
Exons	5927..6166, 5941..6105, 6378..6485, 6380..6484		

Seq. No.	1653	Seq. ID	OJ990423_07.9B01.C29
Gene No.	3419	Strand	-
Start	33	End	237
Name	OJ990423_07.9B01.C29.o1.gs	Method	GENSCAN
Start	33	End	237
GI	none	Score	.53
Exons	33..237		

Seq. No.	1654	Seq. ID	OJ990423_07.9B01.C30
Gene No.	3420	Strand	-
Start	399	End	602
Name	OJ990423_07.9B01.C30.o1.gs	Method	GENSCAN
Start	399	End	602
GI	none	Score	.72
Exons	399..602		

Seq. No.	1655	Seq. ID	OJ990423_07.9B01.C31
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Gene No.	3421	Strand	+
Start	1	End	809
Name	OJ990423_07.9B01.C31.o1.np	Method	AAT/NAP
Start	1	End	809
GI	6665543	Score	386
Exons	1..143, 294..809		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	1655	Seq. ID	OJ990423_07.9B01.C31
Gene No.	3421	Strand	+
Start	1	End	809
Name	OJ990423_07.9B01.C31.o1.tm	Method	TBLASTX:Maize
Start	97	End	778
GI	none	Score	84
Exons	97..183, 98..181, 286..777, 289..747, 338..778		
Seq. No.	1655	Seq. ID	OJ990423_07.9B01.C31
Gene No.	3421	Strand	+
Start	1	End	809
Name	OJ990423_07.9B01.C31.o1.ts	Method	TBLASTX:Soybean
Start	347	End	808
GI	none	Score	155
Exons	347..601, 508..579, 599..748, 610..738, 773..808		
Seq. No.	1655	Seq. ID	OJ990423_07.9B01.C31
Gene No.	3421	Strand	+
Start	1	End	809
Name	OJ990423_07.9B01.C31.o1.tc	Method	TBLASTX:Cress
Start	377	End	808
GI	none	Score	353
Exons	377..748, 476..715, 505..738, 600..764, 767..808		
Seq. No.	1655	Seq. ID	OJ990423_07.9B01.C31
Gene No.	3421	Strand	+
Start	1	End	809
Name	OJ990423_07.9B01.C31.o1.tw	Method	TBLASTX:Wheat
Start	404	End	808
GI	none	Score	384
Exons	404..748, 456..566, 499..729, 593..769, 770..808		
Seq. No.	1656	Seq. ID	OJ990423_07.9B01.C32
Gene No.	3422	Strand	+
Start	1	End	697
Name	OJ990423_07.9B01.C32.o1.np	Method	AAT/NAP
Start	1	End	697
GI	4680179	Score	1161
Exons	1..697		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	1656	Seq. ID	OJ990423_07.9B01.C32
Gene No.	3422	Strand	+
Start	1	End	697
Name	OJ990423_07.9B01.C32.o1.tm	Method	TBLASTX:Maize
Start	5	End	260
GI	none	Score	196
Exons	5..151, 6..260, 6..248		

Seq. No.	1656	Seq. ID	OJ990423_07.9B01.C32
Gene No.	3422	Strand	+
Start	1	End	697
Name	OJ990423_07.9B01.C32.o1.tw	Method	TBLASTX:Wheat
Start	5	End	326
GI	none	Score	226
Exons	5..172, 6..260, 6..218, 231..326, 266..325		

Seq. No.	1656	Seq. ID	OJ990423_07.9B01.C32
Gene No.	3422	Strand	+
Start	1	End	697
Name	OJ990423_07.9B01.C32.o1.gs	Method	GENSCAN
Start	97	End	654
GI	none	Score	.88
Exons	97..654		

Seq. No.	1657	Seq. ID	OJ990423_07.9B01.C33
Gene No.	3423	Strand	+
Start	302	End	390
Name	OJ990423_07.9B01.C33.o1.gs	Method	GENSCAN
Start	302	End	390
GI	none	Score	.4
Exons	302..390		

Seq. No.	1658	Seq. ID	OJ990423_07.9B01.C35
Gene No.	3424	Strand	+
Start	33	End	368
Name	OJ990423_07.9B01.C35.o1.gs	Method	GENSCAN
Start	33	End	368
GI	none	Score	.6
Exons	33..110, 252..368		

Seq. No.	1659	Seq. ID	OJ990423_07.9B01.C36
Gene No.	3425	Strand	+
Start	1	End	1463
Name	OJ990423_07.9B01.C36.o1.np	Method	AAT/NAP
Start	1	End	1454
GI	1931654	Score	299
Exons	1..19, 322..737, 1343..1454		
GI Descrip.	(U95973) BRCA1-associated RING domain protein isolog [Arabidopsis thaliana]		

Seq. No.	1659	Seq. ID	OJ990423_07.9B01.C36
Gene No.	3425	Strand	+
Start	1	End	1463
Name	OJ990423_07.9B01.C36.o1.gs	Method	GENSCAN
Start	316	End	1463
GI	none	Score	.7
Exons	316..737, 1343..1463		

Seq. No.	1659	Seq. ID	OJ990423_07.9B01.C36
Gene No.	3425	Strand	+
Start	1	End	1463
Name	OJ990423_07.9B01.C36.o1.tm	Method	TBLASTX:Maize
Start	319	End	1450
GI	none	Score	557
Exons	319..738, 319..738, 321..758, 1320..1448, 1331..1450, 1343..1450		

Seq. No.	1659	Seq. ID	OJ990423_07.9B01.C36
Gene No.	3425	Strand	+
Start	1	End	1463
Name	OJ990423_07.9B01.C36.o1.gp	Method	AAT/GAP
Start	320	End	509
GI	3107662	Score	359
Exons	320..509		

Seq. No.	1660	Seq. ID	OJ990423_07.9B01.C37
Gene No.	3426	Strand	+
Start	1	End	1271
Name	OJ990423_07.9B01.C37.o1.np	Method	AAT/NAP
Start	1	End	1271
GI	4680179	Score	2229
Exons	1..1271		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1660	Seq. ID	OJ990423_07.9B01.C37
Gene No.	3426	Strand	+
Start	1	End	1271
Name	OJ990423_07.9B01.C37.o2.tw	Method	TBLASTX:Wheat
Start	28	End	510
GI	none	Score	550
Exons	28..510, 132..467, 157..501		

Seq. No.	1660	Seq. ID	OJ990423_07.9B01.C37
Gene No.	3426	Strand	+
Start	1	End	1271
Name	OJ990423_07.9B01.C37.o3.tm	Method	TBLASTX:Maize
Start	38	End	329
GI	none	Score	322
Exons	38..298, 40..327, 138..329		

Seq. No.	1660	Seq. ID	OJ990423_07.9B01.C37
Gene No.	3426	Strand	+
Start	1	End	1271
Name	OJ990423_07.9B01.C37.o3.ts	Method	TBLASTX:Soybean
Start	64	End	378
GI	none	Score	183
Exons	64..378, 180..377		

Seq. No.	1660	Seq. ID	OJ990423_07.9B01.C37
Gene No.	3426	Strand	+
Start	1	End	1271
Name	OJ990423_07.9B01.C37.o1.gs	Method	GENSCAN
Start	76	End	1249
GI	none	Score	.99
Exons	76..1249		

Seq. No.	1660	Seq. ID	OJ990423_07.9B01.C37
Gene No.	3426	Strand	+
Start	1	End	1271
Name	OJ990423_07.9B01.C37.o2.tm	Method	TBLASTX:Maize
Start	397	End	897
GI	none	Score	161
Exons	397..576, 562..897, 648..779, 649..891		

Seq. No.	1660	Seq. ID	OJ990423_07.9B01.C37
Gene No.	3426	Strand	+
Start	1	End	1271
Name	OJ990423_07.9B01.C37.o1.ts	Method	TBLASTX:Soybean
Start	451	End	846
GI	none	Score	53
Exons	451..483, 451..495, 480..530, 487..846, 487..567, 582..845, 655..846		

Seq. No.	1660	Seq. ID	OJ990423_07.9B01.C37
Gene No.	3426	Strand	+
Start	1	End	1271
Name	OJ990423_07.9B01.C37.o3.tw	Method	TBLASTX:Wheat
Start	559	End	828
GI	none	Score	356
Exons	559..828, 560..661, 579..827, 628..828		

Seq. No.	1660	Seq. ID	OJ990423_07.9B01.C37
Gene No.	3426	Strand	+
Start	1	End	1271
Name	OJ990423_07.9B01.C37.o1.tw	Method	TBLASTX:Wheat
Start	831	End	1247
GI	none	Score	591
Exons	831..1205, 832..1245, 907..1245, 1086..1247		

Seq. No.	1660	Seq. ID	OJ990423_07.9B01.C37
Gene No.	3426	Strand	+
Start	1	End	1271
Name	OJ990423_07.9B01.C37.o2.ts	Method	TBLASTX:Soybean
Start	868	End	1113
GI	none	Score	198
Exons	868..1113		

Seq. No.	1660	Seq. ID	OJ990423_07.9B01.C37
Gene No.	3426	Strand	+
Start	1	End	1271
Name	OJ990423_07.9B01.C37.o1.tm	Method	TBLASTX:Maize
Start	934	End	1269
GI	none	Score	458
Exons	934..1269, 936..1202, 988..1266		

Seq. No.	1661	Seq. ID	OJ990423_07.9B01.C38
Gene No.	3427	Strand	+
Start	1	End	286
Name	OJ990423_07.9B01.C38.o1.np	Method	AAT/NAP
Start	1	End	277
GI	4680179	Score	456
Exons	1..277		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1661	Seq. ID	OJ990423_07.9B01.C38
Gene No.	3427	Strand	+
Start	1	End	286
Name	OJ990423_07.9B01.C38.o1.tw	Method	TBLASTX:Wheat
Start	1	End	232
GI	none	Score	232

Exons 1..108, 2..232, 50..211

Seq. No.	1661	Seq. ID	OJ990423_07.9B01.C38
Gene No.	3427	Strand	+
Start	1	End	286
Name	OJ990423_07.9B01.C38.o1.tm	Method	TBLASTX:Maize
Start	8	End	286
GI	none	Score	41
Exons	8..31, 29..253, 254..286		

Seq. No.	1662	Seq. ID	OJ990423_07.9B01.C40
Gene No.	3428	Strand	+
Start	87	End	271
Name	OJ990423_07.9B01.C40.o1.gp	Method	AAT/GAP
Start	87	End	271
GI	LIB3434-026-P1-K1-B6	Score	266
Exons	87..271		
GI Descrip.	'1931654 2.0e-19 (U95973) BRCA1-associated RING domain protein isolog [Arabidopsis thaliana]'		

Seq. No.	1662	Seq. ID	OJ990423_07.9B01.C40
Gene No.	3429	Strand	-
Start	1	End	619
Name	OJ990423_07.9B01.C40.o1.np	Method	AAT/NAP
Start	1	End	619
GI	6465806	Score	207
Exons	1..285, 466..619		
GI Descrip.	(AJ130878) GCN4-complementing protein (GCP1) [Arabidopsis thaliana]		

Seq. No.	1662	Seq. ID	OJ990423_07.9B01.C40
Gene No.	3429	Strand	-
Start	1	End	619
Name	OJ990423_07.9B01.C40.o1.gs	Method	GENSCAN
Start	497	End	619
GI	none	Score	.98
Exons	497..619		

Seq. No.	1663	Seq. ID	OJ990423_07.9B01.C41
Gene No.	3430	Strand	-
Start	366	End	617
Name	OJ990423_07.9B01.C41.o1.gs	Method	GENSCAN
Start	366	End	617
GI	none	Score	.7
Exons	366..617		

Seq. No.	1664	Seq. ID	OJ990423_07.9B01.C45
Gene No.	3431	Strand	-
Start	1	End	653
Name	OJ990423_07.9B01.C45.o1.np	Method	AAT/NAP
Start	1	End	653
GI	6665543	Score	418
Exons	1..653		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	1664	Seq. ID	OJ990423_07.9B01.C45
Gene No.	3431	Strand	-

Start	1	End	653
Name	OJ990423_07.9B01.C45.ol.tm	Method	TBLASTX:Maize
Start	1	End	642
GI	none	Score	484
Exons	1..438, 2..445, 12..461, 270..488, 558..641, 562..642, 577..642		

Seq. No.	1664	Seq. ID	OJ990423_07.9B01.C45
Gene No.	3431	Strand	-
Start	1	End	653
Name	OJ990423_07.9B01.C45.ol.tw	Method	TBLASTX:Wheat
Start	5	End	355
GI	none	Score	75
Exons	5..109, 11..355, 30..350		

Seq. No.	1664	Seq. ID	OJ990423_07.9B01.C45
Gene No.	3431	Strand	-
Start	1	End	653
Name	OJ990423_07.9B01.C45.ol.tc	Method	TBLASTX:Cress
Start	11	End	364
GI	none	Score	159
Exons	11..364, 30..254, 152..289		

Seq. No.	1664	Seq. ID	OJ990423_07.9B01.C45
Gene No.	3431	Strand	-
Start	1	End	653
Name	OJ990423_07.9B01.C45.ol.ts	Method	TBLASTX:Soybean
Start	11	End	412
GI	none	Score	109
Exons	11..160, 15..149, 155..322, 158..412		

Seq. No.	1664	Seq. ID	OJ990423_07.9B01.C45
Gene No.	3431	Strand	-
Start	1	End	653
Name	OJ990423_07.9B01.C45.ol.gs	Method	GENSCAN
Start	101	End	436
GI	none	Score	.79
Exons	101..436		

Seq. No.	1665	Seq. ID	OJ990423_07.9B01.C46
Gene No.	3432	Strand	+
Start	1	End	119
Name	OJ990423_07.9B01.C46.ol.np	Method	AAT/NAP
Start	1	End	119
GI	6063554	Score	84
Exons	1..119		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1665	Seq. ID	OJ990423_07.9B01.C46
Gene No.	3433	Strand	-
Start	294	End	476
Name	OJ990423_07.9B01.C46.ol.gs	Method	GENSCAN
Start	294	End	476
GI	none	Score	.79
Exons	294..476		

Seq. No.	1666	Seq. ID	OJ990423_07.9B01.C48
Gene No.	3434	Strand	+
Start	1	End	729
Name	OJ990423_07.9B01.C48.o1.np	Method	AAT/NAP
Start	1	End	729
GI	4680179	Score	1186
Exons	1..729		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1666	Seq. ID	OJ990423_07.9B01.C48
Gene No.	3434	Strand	+
Start	1	End	729
Name	OJ990423_07.9B01.C48.o1.tw	Method	TBLASTX:Wheat
Start	1	End	444
GI	none	Score	558
Exons	1..444, 1..411, 12..443		

Seq. No.	1666	Seq. ID	OJ990423_07.9B01.C48
Gene No.	3434	Strand	+
Start	1	End	729
Name	OJ990423_07.9B01.C48.o1.gs	Method	GENSCAN
Start	61	End	670
GI	none	Score	.89
Exons	61..670		

Seq. No.	1666	Seq. ID	OJ990423_07.9B01.C48
Gene No.	3434	Strand	+
Start	1	End	729
Name	OJ990423_07.9B01.C48.o1.tc	Method	TBLASTX:Cress
Start	151	End	468
GI	none	Score	89
Exons	151..324, 325..468, 327..467		

Seq. No.	1666	Seq. ID	OJ990423_07.9B01.C48
Gene No.	3434	Strand	+
Start	1	End	729
Name	OJ990423_07.9B01.C48.o1.ts	Method	TBLASTX:Soybean
Start	232	End	492
GI	none	Score	299
Exons	232..492, 237..491		

Seq. No.	1666	Seq. ID	OJ990423_07.9B01.C48
Gene No.	3434	Strand	+
Start	1	End	729
Name	OJ990423_07.9B01.C48.o1.tm	Method	TBLASTX:Maize
Start	291	End	582
GI	none	Score	389
Exons	291..578, 292..582		

Seq. No.	1666	Seq. ID	OJ990423_07.9B01.C48
Gene No.	3434	Strand	+
Start	1	End	729
Name	OJ990423_07.9B01.C48.o2.tw	Method	TBLASTX:Wheat
Start	450	End	672
GI	none	Score	130
Exons	450..671, 450..671, 451..672		

Seq. No.	1667	Seq. ID	OJ990423_07.9B01.C55
Gene No.	3435	Strand	-
Start	1	End	537
Name	OJ990423_07.9B01.C55.o1.np	Method	AAT/NAP
Start	1	End	537
GI	6465806	Score	195
Exons	1..118, 205..252, 336..401, 511..537		
GI Descrip.	(AJ130878) GCN4-complementing protein (GCP1) [Arabidopsis thaliana]		

Seq. No.	1667	Seq. ID	OJ990423_07.9B01.C55
Gene No.	3435	Strand	-
Start	1	End	537
Name	OJ990423_07.9B01.C55.o1.ts	Method	TBLASTX:Soybean
Start	11	End	404
GI	none	Score	75
Exons	11..118, 12..119, 18..122, 22..123, 202..255, 336..404		

Seq. No.	1668	Seq. ID	OJ990423_07.9B01.C58
Gene No.	3436	Strand	+
Start	127	End	282
Name	OJ990423_07.9B01.C58.o1.gs	Method	GENSCAN
Start	127	End	282
GI	none	Score	.97
Exons	127..282		

Seq. No.	1668	Seq. ID	OJ990423_07.9B01.C58
Gene No.	3437	Strand	+
Start	193	End	297
Name	OJ990423_07.9B01.C58.o1.np	Method	AAT/NAP
Start	193	End	297
GI	5042448	Score	172
Exons	193..297		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	1669	Seq. ID	OJ990423_07.9B01.C61
Gene No.	3438	Strand	-
Start	1	End	677
Name	OJ990423_07.9B01.C61.o1.np	Method	AAT/NAP
Start	1	End	677
GI	2244836	Score	77
Exons	1..27, 137..251, 602..677		
GI Descrip.	(Z97337) RNA helicase like protein [Arabidopsis thaliana]		

Seq. No.	1669	Seq. ID	OJ990423_07.9B01.C61
Gene No.	3438	Strand	-
Start	1	End	677
Name	OJ990423_07.9B01.C61.o1.gs	Method	GENSCAN
Start	260	End	400
GI	none	Score	.74
Exons	260..400		

Seq. No.	1670	Seq. ID	OJ990423_07.9B01.C62
Gene No.	3439	Strand	-
Start	485	End	643
Name	OJ990423_07.9B01.C62.o1.gs	Method	GENSCAN

Start 485
GI none
Exons 485..643

End 643
Score .45

Seq. No. 1671
Gene No. 3440
Start 573
Name OJ990503_05.9B12.C1.o1.gs
Start 573
GI none
Exons 573..650

Seq. ID OJ990503_05.9B12.C1
Strand +
End 650
Method GENSCAN
End 650
Score .82

Seq. No. 1672
Gene No. 3441
Start 1
Name OJ990503_05.9B12.C2.o1.np
Start 1
GI 755799
Exons 1..29, 113..337
GI Descrip. (X82408) xylulokinase [Saccharomyces cerevisiae]

Seq. ID OJ990503_05.9B12.C2
Strand +
End 337
Method AAT/NAP
End 337
Score 67

Seq. No. 1672
Gene No. 3441
Start 1
Name OJ990503_05.9B12.C2.o1.gs
Start 113
GI none
Exons 113..314

Seq. ID OJ990503_05.9B12.C2
Strand +
End 337
Method GENSCAN
End 314
Score .55

Seq. No. 1673
Gene No. 3442
Start 174
Name OJ990503_05.9B12.C3.o1.gs
Start 174
GI none
Exons 174..176

Seq. ID OJ990503_05.9B12.C3
Strand -
End 176
Method GENSCAN
End 176
Score .55

Seq. No. 1674
Gene No. 3443
Start 145
Name OJ990503_05.9B12.C4.o1.gs
Start 145
GI none
Exons 145..314

Seq. ID OJ990503_05.9B12.C4
Strand +
End 314
Method GENSCAN
End 314
Score .66

Seq. No. 1675
Gene No. 3444
Start 363
Name OJ990503_05.9B12.C8.o1.gs
Start 363
GI none
Exons 363..474

Seq. ID OJ990503_05.9B12.C8
Strand +
End 474
Method GENSCAN
End 474
Score .91

Seq. No. 1676
Gene No. 3445
Start 52
Name OJ990503_05.9B12.C9.o1.ts

Seq. ID OJ990503_05.9B12.C9
Strand -
End 521
Method TBLASTX:Soybean

Start 3
 GI none
 Exons 3..122, 180..482

End 482
 Score 164

Seq. No. 1676
 Gene No. 3445
 Start 52
 Name OJ990503_05.9B12.C9.o1.tc
 Start 30
 GI none
 Exons 30..254, 94..252

Seq. ID OJ990503_05.9B12.C9
 Strand -
 End 521
 Method TBLASTX:Cress
 End 254
 Score 65

Seq. No. 1676
 Gene No. 3445
 Start 52
 Name OJ990503_05.9B12.C9.o1.gs
 Start 52
 GI none
 Exons 52..521

Seq. ID OJ990503_05.9B12.C9
 Strand -
 End 521
 Method GENSCAN
 End 521
 Score .69

Seq. No. 1677
 Gene No. 3446
 Start 9
 Name OJ990503_05.9B12.C10.o1.gs
 Start 9
 GI none
 Exons 9..334

Seq. ID OJ990503_05.9B12.C10
 Strand -
 End 334
 Method GENSCAN
 End 334
 Score .69

Seq. No. 1678
 Gene No. 3447
 Start 226
 Name OJ990503_05.9B12.C12.o1.gs
 Start 226
 GI none
 Exons 226..297

Seq. ID OJ990503_05.9B12.C12
 Strand +
 End 297
 Method GENSCAN
 End 297
 Score .68

Seq. No. 1678
 Gene No. 3448
 Start 391
 Name OJ990503_05.9B12.C12.o1.gp
 Start 391
 GI 3768568
 Exons 391..452, 556..591

Seq. ID OJ990503_05.9B12.C12
 Strand -
 End 591
 Method AAT/GAP
 End 591
 Score 155

GI Descrip. 3540190 9.0e-35 (AC004122) Hypothetical protein [Arabidopsis thaliana]

Seq. No. 1679
 Gene No. 3449
 Start 1
 Name OJ990503_05.9B12.C13.o1.np
 Start 1
 GI 2160189
 Exons 1..451

Seq. ID OJ990503_05.9B12.C13
 Strand +
 End 451
 Method AAT/NAP
 End 451
 Score 336

GI Descrip. (AC000132) Similar to A. thaliana receptor-like protein kinase (gb|RLK5_ARATH). ESTs gb|ATTS0475,gb|ATTS4362 come from this gene. [Arabidopsis thaliana]

Seq. No.	1679	Seq. ID	OJ990503_05.9B12.C13
Gene No.	3449	Strand	+
Start	1	End	451
Name	OJ990503_05.9B12.C13.o1.tm	Method	TBLASTX:Maize
Start	1	End	447
GI	none	Score	297
Exons	1..417, 1..258, 1..84, 3..347, 4..405, 15..404, 30..425, 64..348, 70..432, 145..411, 235..438, 298..447, 364..438		

Seq. No.	1679	Seq. ID	OJ990503_05.9B12.C13
Gene No.	3449	Strand	+
Start	1	End	451
Name	OJ990503_05.9B12.C13.o1.tc	Method	TBLASTX:Cress
Start	4	End	450
GI	none	Score	357
Exons	4..441, 4..450, 10..111, 19..411, 30..395, 49..330, 82..183		

Seq. No.	1679	Seq. ID	OJ990503_05.9B12.C13
Gene No.	3449	Strand	+
Start	1	End	451
Name	OJ990503_05.9B12.C13.o1.ts	Method	TBLASTX:Soybean
Start	4	End	402
GI	none	Score	274
Exons	4..342, 21..332, 37..186, 61..333, 235..402		

Seq. No.	1679	Seq. ID	OJ990503_05.9B12.C13
Gene No.	3449	Strand	+
Start	1	End	451
Name	OJ990503_05.9B12.C13.o1.gs	Method	GENSCAN
Start	10	End	443
GI	none	Score	.41
Exons	10..443		

Seq. No.	1680	Seq. ID	OJ990503_05.9B12.C14
Gene No.	3450	Strand	-
Start	554	End	1013
Name	OJ990503_05.9B12.C14.o1.gs	Method	GENSCAN
Start	554	End	1013
GI	none	Score	.97
Exons	554..633, 890..1013		

Seq. No.	1681	Seq. ID	OJ990503_05.9B12.C16
Gene No.	3451	Strand	+
Start	1001	End	1885
Name	OJ990503_05.9B12.C16.o1.gs	Method	GENSCAN
Start	1001	End	1885
GI	none	Score	.99
Exons	1001..1576, 1769..1885		

Seq. No.	1681	Seq. ID	OJ990503_05.9B12.C16
Gene No.	3451	Strand	+
Start	1001	End	1885
Name	OJ990503_05.9B12.C16.o1.np	Method	AAT/NAP
Start	1040	End	1581
GI	6226739	Score	223
Exons	1040..1581		

GI Descrip. HYPOTHETICAL OXIDOREDUCTASE C23D3.11 IN CHROMOSOME I

gi|4160354|emb|CAA91246.1| (Z64354) putative dehydrogenase
[Schizosaccharomyces pombe]

Seq. No.	1681	Seq. ID	OJ990503_05.9B12.C16
Gene No.	3452	Strand	-
Start	1	End	6509
Name	OJ990503_05.9B12.C16.o2.np	Method	AAT/NAP
Start	1	End	3797
GI	4733891	Score	599
Exons	1..28, 2849..2902, 3000..3155, 3255..3399, 3485..3592, 3630..3797		
GI Descrip.	(AF104924) unconventional myosin heavy chain [Zea mays]		

Seq. No.	1681	Seq. ID	OJ990503_05.9B12.C16
Gene No.	3452	Strand	-
Start	1	End	6509
Name	OJ990503_05.9B12.C16.o1.ts	Method	TBLASTX:Soybean
Start	1040	End	1309
GI	none	Score	115
Exons	1040..1144, 1063..1143, 1198..1308, 1199..1309		

Seq. No.	1681	Seq. ID	OJ990503_05.9B12.C16
Gene No.	3452	Strand	-
Start	1	End	6509
Name	OJ990503_05.9B12.C16.o1.tm	Method	TBLASTX:Maize
Start	1052	End	1780
GI	none	Score	112
Exons	1052..1144, 1066..1146, 1193..1612, 1198..1290, 1387..1593, 1631..1780		

Seq. No.	1681	Seq. ID	OJ990503_05.9B12.C16
Gene No.	3452	Strand	-
Start	1	End	6509
Name	OJ990503_05.9B12.C16.o3.np	Method	AAT/NAP
Start	1308	End	6509
GI	6523547	Score	234
Exons	1308..1826, 4113..4348, 4470..4550, 4652..4708, 6158..6509		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	1681	Seq. ID	OJ990503_05.9B12.C16
Gene No.	3452	Strand	-
Start	1	End	6509
Name	OJ990503_05.9B12.C16.o1.tc	Method	TBLASTX:Cress
Start	2882	End	3779
GI	none	Score	103
Exons	2882..2908, 2971..3099, 3000..3080, 3071..3157, 3078..3161, 3275..3400, 3277..3402, 3278..3397, 3279..3398, 3280..3399, 3478..3567, 3480..3593, 3485..3586, 3663..3779, 3687..3773		

Seq. No.	1681	Seq. ID	OJ990503_05.9B12.C16
Gene No.	3452	Strand	-
Start	1	End	6509
Name	OJ990503_05.9B12.C16.o2.gs	Method	GENSCAN
Start	2886	End	3827
GI	none	Score	.51
Exons	2886..2902, 3255..3399, 3666..3827		

Seq. No.	1681	Seq. ID	OJ990503_05.9B12.C16
Gene No.	3452	Strand	-
Start	1	End	6509
Name	OJ990503_05.9B12.C16.o1.gp	Method	AAT/GAP
Start	4562	End	4762
GI	775_2.R1084	Score	263
Exons	4562..4762		
GI Descrip.	'2384760 0.0e+00 (AF016897) GDP dissociation inhibitor protein OsGDI2 [Oryza sativa]'		

Seq. No.	1682	Seq. ID	OJ990503_05.9B12.C18
Gene No.	3453	Strand	+
Start	1	End	1972
Name	OJ990503_05.9B12.C18.o1.gp	Method	AAT/GAP
Start	1	End	760
GI	3768568	Score	890
Exons	1..411, 653..760		
GI Descrip.	3540190 9.0e-35 (AC004122) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1682	Seq. ID	OJ990503_05.9B12.C18
Gene No.	3453	Strand	+
Start	1	End	1972
Name	OJ990503_05.9B12.C18.o1.np	Method	AAT/NAP
Start	130	End	1479
GI	3540190	Score	556
Exons	130..411, 653..799, 1077..1140, 1234..1479		
GI Descrip.	(AC004122) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1682	Seq. ID	OJ990503_05.9B12.C18
Gene No.	3453	Strand	+
Start	1	End	1972
Name	OJ990503_05.9B12.C18.o1.gs	Method	GENSCAN
Start	214	End	1972
GI	none	Score	.61
Exons	214..411, 673..799, 1234..1443, 1778..1972		

Seq. No.	1682	Seq. ID	OJ990503_05.9B12.C18
Gene No.	3453	Strand	+
Start	1	End	1972
Name	OJ990503_05.9B12.C18.o2.gp	Method	AAT/GAP
Start	1096	End	1743
GI	uC-osflm202108c02b1	Score	1045
Exons	1096..1140, 1234..1743		
GI Descrip.	'3540190 9.0e-35 (AC004122) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	1682	Seq. ID	OJ990503_05.9B12.C18
Gene No.	3454	Strand	+
Start	2033	End	2267
Name	OJ990503_05.9B12.C18.o1.tc	Method	TBLASTX:Cress
Start	139	End	734
GI	none	Score	75
Exons	139..246, 145..423, 146..439, 627..734		

Seq. No.	1682	Seq. ID	OJ990503_05.9B12.C18
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Gene No.	3454	Strand	+
Start	2033	End	2267
Name	OJ990503_05.9B12.C18.o1.ts	Method	TBLASTX:Soybean
Start	146	End	1137
GI	none	Score	122
Exons	146..274, 148..267, 250..417, 291..383, 293..430, 633..800, 1078..1137		

Seq. No.	1682	Seq. ID	OJ990503_05.9B12.C18
Gene No.	3454	Strand	+
Start	2033	End	2267
Name	OJ990503_05.9B12.C18.o1.tm	Method	TBLASTX:Maize
Start	1110	End	1921
GI	none	Score	44
Exons	1110..1142, 1111..1140, 1221..1442, 1233..1400, 1234..1443, 1234..1443, 1774..1902, 1776..1901, 1777..1920, 1778..1921		

Seq. No.	1682	Seq. ID	OJ990503_05.9B12.C18
Gene No.	3454	Strand	+
Start	2033	End	2267
Name	OJ990503_05.9B12.C18.o1.tw	Method	TBLASTX:Wheat
Start	1820	End	2245
GI	none	Score	117
Exons	1820..1909, 1821..1910, 1822..1917, 1823..1909, 1914..2009, 1927..2010, 2013..2060, 2016..2048, 2066..2245, 2067..2234, 2068..2244		

Seq. No.	1682	Seq. ID	OJ990503_05.9B12.C18
Gene No.	3454	Strand	+
Start	2033	End	2267
Name	OJ990503_05.9B12.C18.o2.np	Method	AAT/NAP
Start	2033	End	2267
GI	3540188	Score	224
Exons	2033..2267		
GI Descrip.	(AC004122) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1683	Seq. ID	OJ990503_05.9B12.C19
Gene No.	3455	Strand	+
Start	1	End	5842
Name	OJ990503_05.9B12.C19.o1.np	Method	AAT/NAP
Start	1	End	1853
GI	6573289	Score	881
Exons	1..101, 172..461, 612..887, 1206..1443, 1594..1853		
GI Descrip.	(AB008023) RXW8 [Arabidopsis thaliana]		

Seq. No.	1683	Seq. ID	OJ990503_05.9B12.C19
Gene No.	3455	Strand	+
Start	1	End	5842
Name	OJ990503_05.9B12.C19.o1.gs	Method	GENSCAN
Start	612	End	5842
GI	none	Score	.64
Exons	612..887, 1206..1439, 1590..1884, 4283..4421, 4426..4860, 5749..5842		

Seq. No.	1683	Seq. ID	OJ990503_05.9B12.C19
Gene No.	3456	Strand	-
Start	2865	End	4827

Name	OJ990503_05.9B12.C19.o2.ts	Method	TBLASTX:Soybean
Start	174	End	479
GI	none	Score	75
Exons	174..236, 182..232, 237..479, 239..454		
Seq. No.	1683	Seq. ID	OJ990503_05.9B12.C19
Gene No.	3456	Strand	-
Start	2865	End	4827
Name	OJ990503_05.9B12.C19.o1.tc	Method	TBLASTX:Cress
Start	182	End	1451
GI	none	Score	275
Exons	182..454, 186..467, 609..914, 611..895, 1203..1451, 1226..1423		
Seq. No.	1683	Seq. ID	OJ990503_05.9B12.C19
Gene No.	3456	Strand	-
Start	2865	End	4827
Name	OJ990503_05.9B12.C19.o1.ts	Method	TBLASTX:Soybean
Start	611	End	1673
GI	none	Score	129
Exons	611..676, 612..734, 722..880, 750..914, 759..905, 1203..1448, 1211..1450, 1211..1447, 1587..1673		
Seq. No.	1683	Seq. ID	OJ990503_05.9B12.C19
Gene No.	3456	Strand	-
Start	2865	End	4827
Name	OJ990503_05.9B12.C19.o1.tm	Method	TBLASTX:Maize
Start	1250	End	1908
GI	none	Score	252
Exons	1250..1447, 1251..1439, 1252..1440, 1574..1903, 1576..1908, 1587..1895		
Seq. No.	1683	Seq. ID	OJ990503_05.9B12.C19
Gene No.	3456	Strand	-
Start	2865	End	4827
Name	OJ990503_05.9B12.C19.o2.np	Method	AAT/NAP
Start	2865	End	4818
GI	3941448	Score	237
Exons	2865..2890, 4387..4818		
GI Descrip.	(AF062878) putative transcription factor [Arabidopsis thaliana]		
Seq. No.	1683	Seq. ID	OJ990503_05.9B12.C19
Gene No.	3456	Strand	-
Start	2865	End	4827
Name	OJ990503_05.9B12.C19.o1.tw	Method	TBLASTX:Wheat
Start	4562	End	4801
GI	none	Score	76
Exons	4562..4693, 4693..4773, 4694..4774, 4777..4800, 4778..4801		
Seq. No.	1683	Seq. ID	OJ990503_05.9B12.C19
Gene No.	3456	Strand	-
Start	2865	End	4827
Name	OJ990503_05.9B12.C19.o2.tm	Method	TBLASTX:Maize
Start	4562	End	4801
GI	none	Score	70
Exons	4562..4693, 4693..4773, 4694..4774, 4777..4800, 4778..4801		
Seq. No.	1683	Seq. ID	OJ990503_05.9B12.C19

Gene No.	3456	Strand	-
Start	2865	End	4827
Name	OJ990503_05.9B12.C19.o3.ts	Method	TBLASTX:Soybean
Start	4562	End	4827
GI	none	Score	69
Exons	4562..4702, 4693..4773, 4694..4780, 4777..4827		
Seq. No.	1683	Seq. ID	OJ990503_05.9B12.C19
Gene No.	3456	Strand	-
Start	2865	End	4827
Name	OJ990503_05.9B12.C19.o2.tc	Method	TBLASTX:Cress
Start	4562	End	4801
GI	none	Score	64
Exons	4562..4693, 4693..4773, 4694..4780, 4777..4800, 4778..4801		
Seq. No.	1684	Seq. ID	OJ990503_05.9B12.C20
Gene No.	3457	Strand	+
Start	1	End	852
Name	OJ990503_05.9B12.C20.o1.np	Method	AAT/NAP
Start	1	End	831
GI	2500715	Score	306
Exons	1..51, 489..831		
GI Descrip.	PATHOGENESIS-RELATED PROTEIN PR-1 PRECURSOR gi 629627 pir S47171 gene PR-1 protein - barrel medic gi 505553 emb CAA56174 (X79778) PR-1 [Medicago truncatula]		
Seq. No.	1684	Seq. ID	OJ990503_05.9B12.C20
Gene No.	3457	Strand	+
Start	1	End	852
Name	OJ990503_05.9B12.C20.o1.tw	Method	TBLASTX:Wheat
Start	489	End	840
GI	none	Score	291
Exons	489..614, 490..804, 781..840		
Seq. No.	1684	Seq. ID	OJ990503_05.9B12.C20
Gene No.	3457	Strand	+
Start	1	End	852
Name	OJ990503_05.9B12.C20.o1.ts	Method	TBLASTX:Soybean
Start	490	End	846
GI	none	Score	132
Exons	490..600, 495..596, 601..804, 678..761, 780..833, 781..846		
Seq. No.	1684	Seq. ID	OJ990503_05.9B12.C20
Gene No.	3457	Strand	+
Start	1	End	852
Name	OJ990503_05.9B12.C20.o1.tc	Method	TBLASTX:Cress
Start	511	End	843
GI	none	Score	257
Exons	511..804, 780..842, 781..843		
Seq. No.	1684	Seq. ID	OJ990503_05.9B12.C20
Gene No.	3457	Strand	+
Start	1	End	852
Name	OJ990503_05.9B12.C20.o1.tm	Method	TBLASTX:Maize
Start	538	End	852
GI	none	Score	67
Exons	538..600, 613..852, 678..827		

Seq. No.	1685	Seq. ID	OJ990503_05.9B12.C21
Gene No.	3458	Strand	+
Start	110	End	2262
Name	OJ990503_05.9B12.C21.o1.gs	Method	GENSCAN
Start	110	End	2238
GI	none	Score	.59
Exons	110..304, 1396..1515, 2044..2064, 2159..2238		

Seq. No.	1685	Seq. ID	OJ990503_05.9B12.C21
Gene No.	3458	Strand	+
Start	110	End	2262
Name	OJ990503_05.9B12.C21.o3.np	Method	AAT/NAP
Start	1411	End	2262
GI	6721561	Score	89
Exons	1411..1519, 2071..2262		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1685	Seq. ID	OJ990503_05.9B12.C21
Gene No.	3459	Strand	-
Start	1	End	564
Name	OJ990503_05.9B12.C21.o1.np	Method	AAT/NAP
Start	1	End	564
GI	6815109	Score	105
Exons	1..564		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	1685	Seq. ID	OJ990503_05.9B12.C21
Gene No.	3460	Strand	-
Start	1289	End	2262
Name	OJ990503_05.9B12.C21.o2.np	Method	AAT/NAP
Start	1289	End	2262
GI	4680183	Score	134
Exons	1289..1378, 2221..2262		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	1686	Seq. ID	OJ990503_05.9B12.C22
Gene No.	3461	Strand	+
Start	47	End	2947
Name	OJ990503_05.9B12.C22.o1.gs	Method	GENSCAN
Start	47	End	2837
GI	none	Score	.63
Exons	47..324, 554..698, 846..1023, 1882..2036, 2703..2837		

Seq. No.	1686	Seq. ID	OJ990503_05.9B12.C22
Gene No.	3461	Strand	+
Start	47	End	2947
Name	OJ990503_05.9B12.C22.o1.gp	Method	AAT/GAP
Start	2521	End	2947
GI	4878407	Score	676
Exons	2521..2947		
GI Descrip.	6069643/dbj AP000616.1 AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	1686	Seq. ID	OJ990503_05.9B12.C22
Gene No.	3462	Strand	+
Start	3950	End	4058
Name	OJ990503_05.9B12.C22.o2.gp	Method	AAT/GAP
Start	3950	End	4058
GI	uC-osflcyp088b12b1	Score	136
Exons	3950..4058		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	1686	Seq. ID	OJ990503_05.9B12.C22
Gene No.	3463	Strand	-
Start	1	End	1238
Name	OJ990503_05.9B12.C22.o1.np	Method	AAT/NAP
Start	1	End	1238
GI	6907086	Score	369
Exons	1..1238		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	1686	Seq. ID	OJ990503_05.9B12.C22
Gene No.	3464	Strand	-
Start	1686	End	3249
Name	OJ990503_05.9B12.C22.o2.np	Method	AAT/NAP
Start	1686	End	3249
GI	4680186	Score	184
Exons	1686..1753, 2372..2481, 3058..3249		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	1686	Seq. ID	OJ990503_05.9B12.C22
Gene No.	3465	Strand	-
Start	3415	End	4602
Name	OJ990503_05.9B12.C22.o2.gs	Method	GENSCAN
Start	3415	End	4602
GI	none	Score	.55
Exons	3415..3588, 3836..3941, 4124..4315, 4433..4602		

Seq. No.	1687	Seq. ID	OJ990503_05.9B12.C23
Gene No.	3466	Strand	+
Start	511	End	1061
Name	OJ990503_05.9B12.C23.o1.gs	Method	GENSCAN
Start	511	End	625
GI	none	Score	.51
Exons	511..625		

Seq. No.	1687	Seq. ID	OJ990503_05.9B12.C23
Gene No.	3466	Strand	+
Start	511	End	1061
Name	OJ990503_05.9B12.C23.o1.np	Method	AAT/NAP
Start	511	End	1061
GI	3540193	Score	141
Exons	511..654, 944..1061		
GI Descrip.	(AC004122) Unknown protein [Arabidopsis thaliana]		

Seq. No.	1687	Seq. ID	OJ990503_05.9B12.C23
Gene No.	3466	Strand	+
Start	511	End	1061

Name	OJ990503_05.9B12.C23.o1.tm	Method	TBLASTX:Maize
Start	511	End	630
GI	none	Score	197
Exons	511..630, 513..629		
Seq. No.	1688	Seq. ID	OJ990503_05.9B12.C24
Gene No.	3467	Strand	+
Start	1	End	386
Name	OJ990503_05.9B12.C24.o1.np	Method	AAT/NAP
Start	1	End	386
GI	3540193	Score	318
Exons	1..76, 172..386		
GI Descrip.	(AC004122) Unknown protein [Arabidopsis thaliana]		
Seq. No.	1688	Seq. ID	OJ990503_05.9B12.C24
Gene No.	3467	Strand	+
Start	1	End	386
Name	OJ990503_05.9B12.C24.o1.tm	Method	TBLASTX:Maize
Start	158	End	382
GI	none	Score	120
Exons	158..382, 169..330, 171..380		
Seq. No.	1688	Seq. ID	OJ990503_05.9B12.C24
Gene No.	3467	Strand	+
Start	1	End	386
Name	OJ990503_05.9B12.C24.o1.ts	Method	TBLASTX:Soybean
Start	158	End	353
GI	none	Score	107
Exons	158..352, 166..330, 168..353, 171..353		
Seq. No.	1688	Seq. ID	OJ990503_05.9B12.C24
Gene No.	3467	Strand	+
Start	1	End	386
Name	OJ990503_05.9B12.C24.o1.tc	Method	TBLASTX:Cress
Start	171	End	377
GI	none	Score	193
Exons	171..377, 171..341, 185..370		
Seq. No.	1689	Seq. ID	OJ990503_05.9B12.C25
Gene No.	3468	Strand	+
Start	1	End	205
Name	OJ990503_05.9B12.C25.o1.gp	Method	AAT/GAP
Start	1	End	205
GI	10926_1.R1084	Score	380
Exons	1..205		
GI Descrip.	'4741844/gb AAD28731.1 AF112964_1 4.0e-86 (AF112964) small GTP-binding protein [Triticum aestivum]'		
Seq. No.	1689	Seq. ID	OJ990503_05.9B12.C25
Gene No.	3469	Strand	+
Start	4122	End	4286
Name	OJ990503_05.9B12.C25.o3.gp	Method	AAT/GAP
Start	4122	End	4286
GI	701549	Score	246
Exons	4122..4286		
Seq. No.	1689	Seq. ID	OJ990503_05.9B12.C25

Gene No.	3470	Strand	-
Start	630	End	3945
Name	OJ990503_05.9B12.C25.o2.gp	Method	AAT/GAP
Start	630	End	2274
GI	32126.1.R1084	Score	1471
Exons	630..1048, 1888..2274		
GI Descrip.	'1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	1689	Seq. ID	OJ990503_05.9B12.C25.
Gene No.	3470	Strand	-
Start	630	End	3945
Name	OJ990503_05.9B12.C25.o1.gs	Method	GENSCAN
Start	664	End	2042
GI	none	Score	.94
Exons	664..1048, 1888..2042		

Seq. No.	1689	Seq. ID	OJ990503_05.9B12.C25.
Gene No.	3470	Strand	-
Start	630	End	3945
Name	OJ990503_05.9B12.C25.o1.np	Method	AAT/NAP
Start	664	End	3707
GI	3250676	Score	1166
Exons	664..1048, 1888..2636, 3303..3707		
GI Descrip.	(AL024486) putative protein [Arabidopsis thaliana]		

Seq. No.	1689	Seq. ID	OJ990503_05.9B12.C25
Gene No.	3470	Strand	-
Start	630	End	3945
Name	OJ990503_05.9B12.C25.o1.tm	Method	TBLASTX:Maize
Start	941	End	2274
GI	none	Score	143
Exons	941..1054, 970..1047, 1877..2269, 1883..2269, 1885..2274, 1968..2273		

Seq. No.	1689	Seq. ID	OJ990503_05.9B12.C25
Gene No.	3470	Strand	-
Start	630	End	3945
Name	OJ990503_05.9B12.C25.o1.ts	Method	TBLASTX:Soybean
Start	1923	End	2144
GI	none	Score	93
Exons	1923..2126, 1963..2142, 1968..2144		

Seq. No.	1689	Seq. ID	OJ990503_05.9B12.C25
Gene No.	3470	Strand	-
Start	630	End	3945
Name	OJ990503_05.9B12.C25.o1.tc	Method	TBLASTX:Cress
Start	2274	End	2459
GI	none	Score	72
Exons	2274..2459, 2275..2394		

Seq. No.	1689	Seq. ID	OJ990503_05.9B12.C25
Gene No.	3470	Strand	-
Start	630	End	3945
Name	OJ990503_05.9B12.C25.o2.gs	Method	GENSCAN
Start	3279	End	3701
GI	none	Score	.95

Exons 3279..3701

Seq. No.	1689	Seq. ID	OJ990503_05.9B12.C25
Gene No.	3470	Strand	-
Start	630	End	3945
Name	OJ990503_05.9B12.C25.o2.tm	Method	TBLASTX:Maize
Start	3513	End	3945
GI	none	Score	59
Exons	3513..3569, 3514..3570, 3528..3662, 3557..3661, 3561..3665, 3764..3811, 3769..3813, 3843..3905, 3866..3895, 3886..3945, 3906..3944		

Seq. No.	1690	Seq. ID	OJ990503_05.9B12.C26
Gene No.	3471	Strand	-
Start	1	End	1945
Name	OJ990503_05.9B12.C26.o1.np	Method	AAT/NAP
Start	1	End	1945
GI	5852093	Score	52
Exons	1..21, 454..541, 1903..1945		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	1691	Seq. ID	OJ990503_05.9B12.C27
Gene No.	3472	Strand	-
Start	718	End	1414
Name	OJ990503_05.9B12.C27.o1.gs	Method	GENSCAN
Start	718	End	1414
GI	none	Score	.68
Exons	718..761, 897..1227, 1250..1414		

Seq. No.	1692	Seq. ID	OJ990503_05.9B12.C28
Gene No.	3473	Strand	+
Start	1	End	1389
Name	OJ990503_05.9B12.C28.o1.np	Method	AAT/NAP
Start	1	End	422
GI	6907106	Score	349
Exons	1..159, 232..422		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1692	Seq. ID	OJ990503_05.9B12.C28
Gene No.	3473	Strand	+
Start	1	End	1389
Name	OJ990503_05.9B12.C28.o1.gs	Method	GENSCAN
Start	95	End	1389
GI	none	Score	.42
Exons	95..207, 295..384, 540..616, 1268..1389		

Seq. No.	1692	Seq. ID	OJ990503_05.9B12.C28
Gene No.	3474	Strand	-
Start	1	End	751
Name	OJ990503_05.9B12.C28.o1.gp	Method	AAT/GAP
Start	1	End	751
GI	6547_1.R1084	Score	1022
Exons	1..409, 513..751		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	1692	Seq. ID	OJ990503_05.9B12.C28
Gene No.	3474	Strand	-
Start	1	End	751
Name	OJ990503_05.9B12.C28.o1.tm	Method	TBLASTX:Maize
Start	2	End	315
GI	none	Score	99
Exons	2..181, 9..92, 10..315, 11..181, 143..169, 192..215, 271..315		

Seq. No.	1693	Seq. ID	OJ990503_05.9B12.C29
Gene No.	3475	Strand	+
Start	2060	End	5382
Name	OJ990503_05.9B12.C29.o1.np	Method	AAT/NAP
Start	2060	End	5382
GI	6721512	Score	75
Exons	2060..2101, 2706..2815, 3651..3772, 5350..5382		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3476	Strand	+
Start	112	End	507
Name	OJ990503_05.9B12.C30.o1.gs	Method	GENSCAN
Start	112	End	507
GI	none	Score	.9
Exons	112..507		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3477	Strand	+
Start	10212	End	14149
Name	OJ990503_05.9B12.C30.o3.gs	Method	GENSCAN
Start	10212	End	13926
GI	none	Score	.72
Exons	10212..10235, 10633..10785, 11362..11428, 11622..11701, 12800..12817, 13229..13438, 13552..13926		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3477	Strand	+
Start	10212	End	14149
Name	OJ990503_05.9B12.C30.o4.gp	Method	AAT/GAP
Start	13202	End	14149
GI	226_1.R1084	Score	1458
Exons	13202..13438, 13552..14149		
GI Descrip.	'2624326/emb CAA05728 3.0e-43 (AJ002893) OsGRP1 [Oryza sativa]'		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3477	Strand	+
Start	10212	End	14149
Name	OJ990503_05.9B12.C30.o2.np	Method	AAT/NAP
Start	13325	End	13923
GI	2196542	Score	871
Exons	13325..13923		
GI Descrip.	(AF001894) glycine-rich protein [Oryza sativa]		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3478	Strand	+
Start	14776	End	15297
Name	OJ990503_05.9B12.C30.o4.gs	Method	GENSCAN
Start	14776	End	15297

GI	none	Score	.92
Exons	14776..15046, 15137..15297		
Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3479	Strand	+
Start	20378	End	20892
Name	OJ990503_05.9B12.C30.o6.gp	Method	AAT/GAP
Start	20378	End	20892
GI	5867_1.R1084	Score	132
Exons	20378..20426, 20801..20892		
GI Descrip.	'464986/sp P35132 UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir_S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_(Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis]		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3480	Strand	-
Start	2233	End	9877
Name	OJ990503_05.9B12.C30.o2.gs	Method	GENSCAN
Start	2233	End	9877
GI	none	Score	.56
Exons	2233..2448, 3639..3820, 5429..5490, 5602..5668, 5781..5940, 6119..6198, 6421..6533, 7152..7235, 7346..7422, 7531..7605, 7683..7727, 8502..8552, 8868..9048, 9232..9393, 9762..9877		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3480	Strand	-
Start	2233	End	9877
Name	OJ990503_05.9B12.C30.o1.gp	Method	AAT/GAP
Start	2352	End	2862
GI	none	Score	875
Exons	2352..2862		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3480	Strand	-
Start	2233	End	9877
Name	OJ990503_05.9B12.C30.o2.gp	Method	AAT/GAP
Start	4976	End	7423
GI	33332_1.R1084	Score	1988
Exons	4976..5490, 5602..5668, 5781..5901, 6119..6198, 6421..6533, 7152..7267, 7354..7423		
GI Descrip.	'2624325/emb AJ002893 OSAJ2893 1.0e-121 Oryza sativa mRNA for glycine-rich RNA-binding protein (OsGRP1)'		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3480	Strand	-
Start	2233	End	9877
Name	OJ990503_05.9B12.C30.o1.np	Method	AAT/NAP
Start	5373	End	9802
GI	2749982	Score	800
Exons	5373..5490, 5602..5668, 5781..5904, 6125..6198, 6418..6533, 7152..7267, 7354..7422, 7531..7600, 7903..8034, 8335..8417, 8502..8552, 8695..8809, 8955..9048, 9232..9403, 9569..9802		
GI Descrip.	(AF036705) Similar to phytoene desaturase; coded for by C.		

elegans cDNA CEESX74F; coded for by C. elegans cDNA yk303f4.3;
 coded for by C. elegans cDNA yk257d4.3; coded for by C. elegans
 cDNA yk303f4.5; coded for by C. elegans cDNA yk257d4.5;...

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3481	Strand	-
Start	14407	End	16486
Name	OJ990503_05.9B12.C30.o3.np	Method	AAT/NAP
Start	14407	End	16486
GI	4309728	Score	309
Exons	14407..14537, 14863..14944, 15122..15255, 16130..16241, 16419..16486		
GI Descrip.	(AC006439) putative ADP-ribosylation factor [Arabidopsis thaliana]		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3481	Strand	-
Start	14407	End	16486
Name	OJ990503_05.9B12.C30.o5.gp	Method	AAT/GAP
Start	14469	End	14901
GI	3767004	Score	845
Exons	14469..14901		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3482	Strand	-
Start	18801	End	21112
Name	OJ990503_05.9B12.C30.o4.tm	Method	TBLASTX:Maize
Start	10	End	312
GI	none	Score	110
Exons	10..141, 22..141, 202..312, 222..311		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3482	Strand	-
Start	18801	End	21112
Name	OJ990503_05.9B12.C30.o2.tc	Method	TBLASTX:Cress
Start	5368	End	5648
GI	none	Score	121
Exons	5368..5490, 5370..5489, 5373..5492, 5586..5648		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3482	Strand	-
Start	18801	End	21112
Name	OJ990503_05.9B12.C30.o2.ts	Method	TBLASTX:Soybean
Start	5373	End	5676
GI	none	Score	149
Exons	5373..5486, 5383..5484, 5599..5676, 5601..5672		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3482	Strand	-
Start	18801	End	21112
Name	OJ990503_05.9B12.C30.o2.tm	Method	TBLASTX:Maize
Start	5863	End	8925
GI	none	Score	150
Exons	5863..5904, 6417..6536, 6420..6536, 6422..6541, 7147..7203, 7152..7205, 7154..7210, 7154..7216, 7214..7267, 7214..7267, 7343..7423, 7345..7428, 7523..7606, 7530..7607, 7656..7730, 7677..7727, 7944..8033, 7944..8033, 7945..8034, 8327..8416,		

8329..8418, 8331..8417, 8493..8555, 8494..8550, 8671..8748,
8683..8751, 8684..8752, 8861..8905, 8866..8925, 8867..8917

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3482	Strand	-
Start	18801	End	21112
Name	OJ990503_05.9B12.C30.o3.tc	Method	TBLASTX:Cress
Start	8865	End	9351
GI	none	Score	93
Exons	8865..8960, 8982..9050, 9229..9351, 9231..9350		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3482	Strand	-
Start	18801	End	21112
Name	OJ990503_05.9B12.C30.o3.tm	Method	TBLASTX:Maize
Start	8937	End	9671
GI	none	Score	115
Exons	8937..9047, 8940..9050, 8956..9051, 9229..9357, 9231..9395, 9566..9604, 9567..9605, 9608..9667, 9609..9671		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3482	Strand	-
Start	18801	End	21112
Name	OJ990503_05.9B12.C30.o3.ts	Method	TBLASTX:Soybean
Start	8997	End	9802
GI	none	Score	126
Exons	8997..9050, 9220..9354, 9231..9395, 9608..9652, 9630..9770, 9635..9802		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3482	Strand	-
Start	18801	End	21112
Name	OJ990503_05.9B12.C30.o1.tm	Method	TBLASTX:Maize
Start	13208	End	13695
GI	none	Score	64
Exons	13208..13264, 13209..13256, 13252..13434, 13319..13441, 13530..13694, 13549..13695		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3482	Strand	-
Start	18801	End	21112
Name	OJ990503_05.9B12.C30.o1.tw	Method	TBLASTX:Wheat
Start	13220	End	13695
GI	none	Score	41
Exons	13220..13288, 13222..13251, 13261..13437, 13307..13441, 13527..13694, 13549..13695		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3482	Strand	-
Start	18801	End	21112
Name	OJ990503_05.9B12.C30.o1.tc	Method	TBLASTX:Cress
Start	13322	End	13695
GI	none	Score	161
Exons	13322..13441, 13324..13437, 13527..13694, 13549..13695		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3482	Strand	-

Start	18801	End	21112
Name	OJ990503_05.9B12.C30.o1.ts	Method	TBLASTX:Soybean
Start	13322	End	13695
GI	none	Score	152
Exons	13322..13441, 13324..13440, 13527..13694, 13549..13695		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3482	Strand	-
Start	18801	End	21112
Name	OJ990503_05.9B12.C30.o4.np	Method	AAT/NAP
Start	18801	End	21112
GI	158227	Score	82
Exons	18801..18827, 20794..20900, 21058..21112		
GI Descrip.	(L04930) RNA-binding protein [<i>Drosophila melanogaster</i>]		

Seq. No.	1694	Seq. ID	OJ990503_05.9B12.C30
Gene No.	3482	Strand	-
Start	18801	End	21112
Name	OJ990503_05.9B12.C30.o6.gs	Method	GENSCAN
Start	18909	End	19034
GI	none	Score	.81
Exons	18909..19034		

Seq. No.	1695	Seq. ID	OJ990503_05.9B12.C32
Gene No.	3483	Strand	+
Start	108	End	1102
Name	OJ990503_05.9B12.C32.o1.gs	Method	GENSCAN
Start	108	End	1102
GI	none	Score	.79
Exons	108..460, 465..641, 812..938, 1085..1102		

Seq. No.	1695	Seq. ID	OJ990503_05.9B12.C32
Gene No.	3484	Strand	+
Start	2400	End	2714
Name	OJ990503_05.9B12.C32.o1.gp	Method	AAT/GAP
Start	2400	End	2714
GI	4715999	Score	577
Exons	2400..2714		

Seq. No.	1695	Seq. ID	OJ990503_05.9B12.C32
Gene No.	3485	Strand	-
Start	5820	End	6166
Name	OJ990503_05.9B12.C32.o3.gp	Method	AAT/GAP
Start	5820	End	6166
GI	none	Score	625
Exons	5820..6166		

Seq. No.	1696	Seq. ID	OJ990503_05.9B12.C33
Gene No.	3486	Strand	+
Start	1	End	2673
Name	OJ990503_05.9B12.C33.o1.np	Method	AAT/NAP
Start	1	End	2673
GI	4539658	Score	93
Exons	1..221, 2591..2673		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [<i>Sorghum bicolor</i>]		

Seq. No.	1697	Seq. ID	OJ990503_05.9B12.C34
Gene No.	3487	Strand	+
Start	1673	End	1939
Name	OJ990503_05.9B12.C34.o1.gs	Method	GENSCAN
Start	1673	End	1939
GI	none	Score	.57
Exons	1673..1939		

Seq. No.	1697	Seq. ID	OJ990503_05.9B12.C34
Gene No.	3488	Strand	-
Start	4130	End	4591
Name	OJ990503_05.9B12.C34.o2.gs	Method	GENSCAN
Start	4130	End	4591
GI	none	Score	1
Exons	4130..4591		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3489	Strand	+
Start	182	End	2511
Name	OJ990503_05.9B12.C35.o1.gs	Method	GENSCAN
Start	182	End	2511
GI	none	Score	.55
Exons	182..336, 422..674, 2369..2511		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3489	Strand	+
Start	182	End	2511
Name	OJ990503_05.9B12.C35.o1.np	Method	AAT/NAP
Start	420	End	994
GI	3399777	Score	172
Exons	420..776, 923..994		
GI Descrip.	(AF069738) symbiotic ammonium transporter; nodulin [Glycine max]		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3490	Strand	+
Start	19374	End	22855
Name	OJ990503_05.9B12.C35.o3.np	Method	AAT/NAP
Start	19374	End	22855
GI	2160189	Score	1998
Exons	19374..19533, 20088..21783, 21811..22028, 22060..22492, 22571..22855		
GI Descrip.	(AC000132) Similar to A. thaliana receptor-like protein kinase (gb RLK5_ARATH). ESTs gb ATTS0475,gb ATTS4362 come from this gene. [Arabidopsis thaliana]		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3490	Strand	+
Start	19374	End	22855
Name	OJ990503_05.9B12.C35.o3.gp	Method	AAT/GAP
Start	20956	End	21404
GI	700182	Score	858
Exons	20956..21404		
GI Descrip.	2160189 2.0e-29 (AC000132) Similar to A. thaliana receptor-like protein kinase (gb_RLK5_ARATH). ESTs gb_ATTS0475,gb_ATTS4362 come from this gene. [Arabidopsis thaliana]		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
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Gene No.	3491	Strand	-
Start	3490	End	10040
Name	OJ990503_05.9B12.C35.o2.gs	Method	GENSCAN
Start	3490	End	8973
GI	none	Score	.64
Exons	3490..3532, 5694..5762, 6419..6513, 7459..7542, 7696..7785, 7884..8198, 8758..8973		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3491	Strand	-
Start	3490	End	10040
Name	OJ990503_05.9B12.C35.o1.gp	Method	AAT/GAP
Start	5474	End	10040
GI	370_1.R1084	Score	2504
Exons	5474..5762, 6419..6513, 6606..6695, 6785..6820, 7459..7542, 7696..7785, 7884..8198, 8758..8973, 9911..10040		
GI Descrip.	'3183079/sp Q42972 MDHG_ORYSA 0.0e+00 MALATE DEHYDROGENASE, GLYOXYSOMAL PRECURSOR >gi_1375075_dbj_BAA12870.1_ (D85763) glyoxysomal malate dehydrogenase [Oryza sativa]'		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3491	Strand	-
Start	3490	End	10040
Name	OJ990503_05.9B12.C35.o1.tm	Method	TBLASTX:Maize
Start	5505	End	9008
GI	none	Score	46
Exons	5505..5543, 5625..5666, 5698..5772, 5699..5764, 6416..6514, 6418..6516, 6588..6692, 6588..6695, 6589..6705, 6604..6696, 6620..6712, 6785..6820, 6786..6821, 7433..7525, 7459..7545, 7459..7542, 7660..7782, 7680..7784, 7682..7786, 7694..7783, 7864..8199, 7883..7945, 7884..8198, 8747..8974, 8747..8974, 8751..9008, 8755..8976		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3491	Strand	-
Start	3490	End	10040
Name	OJ990503_05.9B12.C35.o2.ts	Method	TBLASTX:Soybean
Start	5639	End	8959
GI	none	Score	97
Exons	5639..5764, 5691..5765, 6418..6516, 6419..6514, 6588..6695, 6589..6696, 6601..6696, 6785..6820, 7459..7542, 7460..7543, 7690..7785, 7691..7786, 7880..7969, 7884..8198, 7884..8198, 7885..8199, 8715..8939, 8746..8943, 8747..8959, 8755..8958		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3491	Strand	-
Start	3490	End	10040
Name	OJ990503_05.9B12.C35.o2.tc	Method	TBLASTX:Cress
Start	5690	End	8943
GI	none	Score	85
Exons	5690..5764, 6418..6516, 6419..6514, 6588..6695, 6589..6696, 6604..6696, 6785..6826, 6785..6820, 7459..7542, 7460..7543, 7690..7785, 7691..7786, 7691..7786, 7874..8152, 7882..8148, 7884..8189, 7884..8198, 7885..8199, 8755..8943, 8756..8941, 8758..8943		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
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Gene No.	3491	Strand	-
Start	3490	End	10040
Name	OJ990503_05.9B12.C35.o2.np	Method	AAT/NAP
Start	5693	End	9982
GI	3183079	Score	1559
Exons	5693..5762, 6419..6513, 6606..6695, 6785..6820, 7459..7542, 7696..7785, 7884..8198, 8758..8973, 9911..9982		
GI Descrip.	MALATE DEHYDROGENASE, GLYOXYSOMAL PRECURSOR gi 1375075 dbj BAA12870.1 (D85763) glyoxysomal malate dehydrogenase [Oryza sativa]		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3491	Strand	-
Start	3490	End	10040
Name	OJ990503_05.9B12.C35.o3.tw	Method	TBLASTX:Wheat
Start	5696	End	6820
GI	none	Score	70
Exons	5696..5758, 6418..6513, 6455..6535, 6588..6695, 6592..6705, 6658..6696, 6785..6820		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3491	Strand	-
Start	3490	End	10040
Name	OJ990503_05.9B12.C35.o1.tw	Method	TBLASTX:Wheat
Start	8054	End	8976
GI	none	Score	178
Exons	8054..8197, 8055..8198, 8062..8199, 8065..8214, 8744..8974, 8746..8976, 8755..8976		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3492	Strand	-
Start	19921	End	22795
Name	OJ990503_05.9B12.C35.o5.tm	Method	TBLASTX:Maize
Start	19921	End	20333
GI	none	Score	85
Exons	19921..20031, 19934..20074, 20086..20331, 20088..20333		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3492	Strand	-
Start	19921	End	22795
Name	OJ990503_05.9B12.C35.o1.ts	Method	TBLASTX:Soybean
Start	20185	End	21432
GI	none	Score	149
Exons	20185..20379, 20398..21060, 20532..21059, 20554..20760, 20706..20915, 20896..21183, 20929..21273, 20988..21200, 20995..21345, 21049..21192, 21064..21417, 21145..21420, 21190..21432		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3492	Strand	-
Start	19921	End	22795
Name	OJ990503_05.9B12.C35.o1.tc	Method	TBLASTX:Cress
Start	20203	End	22605
GI	none	Score	67
Exons	20203..20319, 20389..20688, 20401..21606, 20488..20670, 20707..20838, 20755..21057, 20757..20861, 20794..20964, 20805..21116, 20841..21122, 20863..21036, 20886..21191,		

20968..21282, 21064..21243, 21145..21315, 21150..21341,
 21214..21387, 21324..21482, 21369..21521, 21381..21488,
 21582..21605, 21829..21933, 22157..22204, 22256..22417,
 22273..22413, 22463..22603, 22465..22605

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3492	Strand	
Start	19921	End	22795
Name	OJ990503_05.9B12.C35.o2.tm	Method	TBLASTX:Maize
Start	20401	End	21637
GI	none	Score	88
Exons	20401..20619, 20401..20565, 20491..20688, 20497..20682, 20500..20619, 20509..20688, 20509..20694, 20509..20982, 20641..20745, 20655..20705, 20701..21129, 20719..21201, 20721..20978, 20721..20912, 20748..21110, 20794..21066, 20820..21050, 20866..21336, 20953..21408, 21016..21549, 21016..21282, 21073..21345, 21082..21420, 21145..21426, 21151..21417, 21154..21465, 21223..21420, 21238..21399, 21268..21519, 21286..21426, 21313..21489, 21361..21489, 21611..21637		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3492	Strand	
Start	19921	End	22795
Name	OJ990503_05.9B12.C35.o4.tw	Method	TBLASTX:Wheat
Start	20410	End	21417
GI	none	Score	93
Exons	20410..20616, 20491..20697, 20536..20901, 20866..21045, 20953..21111, 20965..21117, 21030..21110, 21111..21290, 21112..21333, 21181..21333, 21271..21417		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3492	Strand	
Start	19921	End	22795
Name	OJ990503_05.9B12.C35.o4.tm	Method	TBLASTX:Maize
Start	21817	End	22279
GI	none	Score	162
Exons	21817..21933, 21817..21930, 21944..21970, 22031..22213, 22042..22179, 22073..22195, 22256..22279		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3492	Strand	
Start	19921	End	22795
Name	OJ990503_05.9B12.C35.o3.ts	Method	TBLASTX:Soybean
Start	22163	End	22687
GI	none	Score	71
Exons	22163..22213, 22163..22195, 22256..22450, 22273..22413, 22448..22543, 22459..22542, 22538..22687		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3492	Strand	
Start	19921	End	22795
Name	OJ990503_05.9B12.C35.o2.tw	Method	TBLASTX:Wheat
Start	22256	End	22585
GI	none	Score	176
Exons	22256..22420, 22273..22413, 22459..22572, 22463..22585, 22490..22585		

Seq. No.	1698	Seq. ID	OJ990503_05.9B12.C35
Gene No.	3492	Strand	
Start	19921	End	22795
Name	OJ990503_05.9B12.C35.o3.tm	Method	TBLASTX:Maize
Start	22370	End	22795
GI	none	Score	287
Exons	22370..22588, 22370..22588, 22600..22794, 22601..22795		

Seq. No.	1699	Seq. ID	OJ990503_05.9B12.C36
Gene No.	3493	Strand	-
Start	1	End	149
Name	OJ990503_05.9B12.C36.o1.gp	Method	AAT/GAP
Start	1	End	149
GI	3763456	Score	240
Exons	1..149		

Seq. No.	1699	Seq. ID	OJ990503_05.9B12.C36
Gene No.	3494	Strand	-
Start	1092	End	7766
Name	OJ990503_05.9B12.C36.o2.gs	Method	GENSCAN
Start	1092	End	7766
GI	none	Score	.64
Exons	1092..1157, 5229..5274, 6728..6854, 6893..6958, 7376..7766		

Seq. No.	1700	Seq. ID	OJ990503_05.9B12.C37
Gene No.	3495	Strand	+
Start	1	End	1236
Name	OJ990503_05.9B12.C37.o1.np	Method	AAT/NAP
Start	1	End	1236
GI	6560764	Score	658
Exons	1..602, 829..1236		
GI Descrip.	(AC010155) F3M18.12 [Arabidopsis thaliana]		

Seq. No.	1700	Seq. ID	OJ990503_05.9B12.C37
Gene No.	3495	Strand	+
Start	1	End	1236
Name	OJ990503_05.9B12.C37.o1.ts	Method	TBLASTX:Soybean
Start	1	End	898
GI	none	Score	199
Exons	1..135, 2..136, 2..136, 188..337, 209..256, 226..333, 364..546, 365..601, 827..898, 828..896		

Seq. No.	1700	Seq. ID	OJ990503_05.9B12.C37
Gene No.	3495	Strand	+
Start	1	End	1236
Name	OJ990503_05.9B12.C37.o1.tc	Method	TBLASTX:Cress
Start	1	End	1193
GI	none	Score	148
Exons	1..132, 2..133, 209..337, 235..333, 365..553, 370..531, 572..601, 818..940, 828..938, 1026..1193		

Seq. No.	1700	Seq. ID	OJ990503_05.9B12.C37
Gene No.	3495	Strand	+
Start	1	End	1236
Name	OJ990503_05.9B12.C37.o1.tm	Method	TBLASTX:Maize
Start	1	End	899

GI none Score 109
Exons 1..132, 5..133, 191..337, 226..336, 364..555, 365..547, 566..601, 818..898, 828..899

Seq. No. 1700 Seq. ID OJ990503_05.9B12.C37
Gene No. 3495 Strand +
Start 1 End 1236
Name OJ990503_05.9B12.C37.o1.gs Method GENSCAN
Start 53 End 1205
GI none Score 1
Exons 53..602, 829..1205

Seq. No. 1700 Seq. ID OJ990503_05.9B12.C37
Gene No. 3495 Strand +
Start 1 End 1236
Name OJ990503_05.9B12.C37.o1.tw Method TBLASTX:Wheat
Start 191 End 496
GI none Score 166
Exons 191..337, 226..333, 365..496, 367..492

Seq. No. 1700 Seq. ID OJ990503_05.9B12.C37
Gene No. 3495 Strand +
Start 1 End 1236
Name OJ990503_05.9B12.C37.o2.tm Method TBLASTX:Maize
Start 978 End 1171
GI none Score 258
Exons 978..1163, 996..1124, 1016..1171

Seq. No. 1701 Seq. ID OJ990503_05.9B12.C38
Gene No. 3496 Strand +
Start 882 End 952
Name OJ990503_05.9B12.C38.o1.gs Method GENSCAN
Start 882 End 952
GI none Score .62
Exons 882..952

Seq. No. 1701 Seq. ID OJ990503_05.9B12.C38
Gene No. 3497 Strand -
Start 1465 End 2034
Name OJ990503_05.9B12.C38.o2.gs Method GENSCAN
Start 1465 End 2034
GI none Score .9
Exons 1465..1583, 2025..2034

Seq. No. 1702 Seq. ID OJ990503_05.9B12.C39
Gene No. 3498 Strand -
Start 1 End 2543
Name OJ990503_05.9B12.C39.o1.np Method AAT/NAP
Start 1 End 2543
GI 4827060 Score 271
Exons 1..43, 278..317, 434..657, 858..919, 1269..1343, 1436..1556, 1969..2011, 2163..2237, 2437..2543

GI Descrip. xylulokinase (H. influenzae) homolog gi|3298502|dbj|BAA31527| (AB015046) xylulokinase [Homo sapiens]

Seq. No. 1702 Seq. ID OJ990503_05.9B12.C39
Gene No. 3498 Strand -

Start	1	End	2543
Name	OJ990503_05.9B12.C39.o1.gs	Method	GENSCAN
Start	70	End	1556
GI	none	Score	.69
Exons	70..284, 434..608, 688..782, 866..919, 1269..1343, 1436..1556		

Seq. No.	1702	Seq. ID	OJ990503_05.9B12.C39
Gene No.	3498	Strand	-
Start	1	End	2543
Name	OJ990503_05.9B12.C39.o1.tm	Method	TBLASTX:Maize
Start	79	End	2537
GI	none	Score	178
Exons	79..318, 80..319, 435..608, 436..609, 436..609, 676..783, 683..706, 849..920, 1246..1344, 1268..1345, 1435..1482, 1437..1556, 1438..1557, 1562..1594, 1966..2028, 1967..2029, 2168..2248, 2172..2240, 2422..2532, 2436..2537		

Seq. No.	1702	Seq. ID	OJ990503_05.9B12.C39
Gene No.	3498	Strand	-
Start	1	End	2543
Name	OJ990503_05.9B12.C39.o1.tc	Method	TBLASTX:Cress
Start	82	End	2029
GI	none	Score	66
Exons	82..162, 83..133, 169..264, 259..306, 435..509, 436..510, 510..608, 511..609, 676..783, 686..784, 867..914, 1246..1344, 1272..1331, 1432..1557, 1437..1556, 1966..2028, 1967..2029		

Seq. No.	1702	Seq. ID	OJ990503_05.9B12.C39
Gene No.	3498	Strand	-
Start	1	End	2543
Name	OJ990503_05.9B12.C39.o1.tw	Method	TBLASTX:Wheat
Start	146	End	587
GI	none	Score	117
Exons	146..319, 181..318, 416..580, 435..587, 436..579, 438..587		

Seq. No.	1702	Seq. ID	OJ990503_05.9B12.C39
Gene No.	3498	Strand	-
Start	1	End	2543
Name	OJ990503_05.9B12.C39.o1.ts	Method	TBLASTX:Soybean
Start	867	End	2230
GI	none	Score	52
Exons	867..920, 1246..1329, 1267..1314, 1437..1556, 1438..1557, 1960..2028, 1967..2029, 2168..2230, 2172..2225		

Seq. No.	1703	Seq. ID	OJ990903_07.9B08.C1
Gene No.	3499	Strand	-
Start	149	End	374
Name	OJ990903_07.9B08.C1.o1.gs	Method	GENSCAN
Start	149	End	374
GI	none	Score	.52
Exons	149..374		

Seq. No.	1704	Seq. ID	OJ990903_07.9B08.C2
Gene No.	3500	Strand	+
Start	6495	End	8179
Name	OJ990903_07.9B08.C2.o2.gs	Method	GENSCAN
Start	6495	End	8179

GI	none	Score	.92
Exons	6495..6547, 7966..8179		
Seq. No.	1704	Seq. ID	OJ990903_07.9B08.C2
Gene No.	3501	Strand	-
Start	311	End	549
Name	OJ990903_07.9B08.C2.o1.np	Method	AAT/NAP
Start	311	End	549
GI	103077	Score	180
Exons	311..549		
GI Descrip.	Bkm-like sex-determining region hypothetical protein CS319 - fruit fly (<i>Drosophila melanogaster</i>) (fragment)		
Seq. No.	1704	Seq. ID	OJ990903_07.9B08.C2
Gene No.	3502	Strand	-
Start	1199	End	1632
Name	OJ990903_07.9B08.C2.o2.np	Method	AAT/NAP
Start	1199	End	1632
GI	6907090	Score	132
Exons	1199..1632		
GI Descrip.	(AP001129) Similar to <i>Oryza sativa</i> root-specific RCc3 mRNA. (L27208)		
Seq. No.	1704	Seq. ID	OJ990903_07.9B08.C2
Gene No.	3503	Strand	-
Start	8394	End	9187
Name	OJ990903_07.9B08.C2.o3.gs	Method	GENSCAN
Start	8394	End	9187
GI	none	Score	.82
Exons	8394..8407, 8564..8674, 8962..9187		
Seq. No.	1704	Seq. ID	OJ990903_07.9B08.C2
Gene No.	3503	Strand	-
Start	8394	End	9187
Name	OJ990903_07.9B08.C2.o1.tm	Method	TBLASTX:Maize
Start	8837	End	9158
GI	none	Score	128
Exons	8837..8929, 8936..9157, 8943..9158		
Seq. No.	1705	Seq. ID	OJ990903_07.9B08.C3
Gene No.	3504	Strand	-
Start	1417	End	2519
Name	OJ990903_07.9B08.C3.o1.np	Method	AAT/NAP
Start	1417	End	2519
GI	2244915	Score	370
Exons	1417..2519		
GI Descrip.	(Z97339) reverse transcriptase like protein [<i>Arabidopsis thaliana</i>]		
Seq. No.	1705	Seq. ID	OJ990903_07.9B08.C3
Gene No.	3504	Strand	-
Start	1417	End	2519
Name	OJ990903_07.9B08.C3.o2.gs	Method	GENSCAN
Start	1591	End	2415
GI	none	Score	.97
Exons	1591..2415		

Seq. No.	1705	Seq. ID	OJ990903_07.9B08.C3
Gene No.	3505	Strand	-
Start	2633	End	4089
Name	OJ990903_07.9B08.C3.o1.tm	Method	TBLASTX:Maize
Start	1411	End	1806
GI	none	Score	38
Exons	1411..1449, 1412..1447, 1451..1615, 1464..1622, 1613..1792, 1618..1806		

Seq. No.	1705	Seq. ID	OJ990903_07.9B08.C3
Gene No.	3505	Strand	-
Start	2633	End	4089
Name	OJ990903_07.9B08.C3.o2.tw	Method	TBLASTX:Wheat
Start	1478	End	1752
GI	none	Score	78
Exons	1478..1615, 1479..1646, 1535..1648, 1618..1752		

Seq. No.	1705	Seq. ID	OJ990903_07.9B08.C3
Gene No.	3505	Strand	-
Start	2633	End	4089
Name	OJ990903_07.9B08.C3.o1.tw	Method	TBLASTX:Wheat
Start	2080	End	2432
GI	none	Score	35
Exons	2080..2430, 2090..2176, 2220..2432, 2231..2344		

Seq. No.	1705	Seq. ID	OJ990903_07.9B08.C3
Gene No.	3505	Strand	-
Start	2633	End	4089
Name	OJ990903_07.9B08.C3.o3.gs	Method	GENSCAN
Start	2633	End	4089
GI	none	Score	.66
Exons	2633..2768, 3140..3213, 3964..4089		

Seq. No.	1706	Seq. ID	OJ990903_07.9B08.C4
Gene No.	3506	Strand	+
Start	171	End	1424
Name	OJ990903_07.9B08.C4.o1.ts	Method	TBLASTX:Soybean
Start	162	End	572
GI	none	Score	153
Exons	162..299, 164..295, 320..487, 321..572		

Seq. No.	1706	Seq. ID	OJ990903_07.9B08.C4
Gene No.	3506	Strand	+
Start	171	End	1424
Name	OJ990903_07.9B08.C4.o1.gs	Method	GENSCAN
Start	171	End	1395
GI	none	Score	.75
Exons	171..893, 924..1395		

Seq. No.	1706	Seq. ID	OJ990903_07.9B08.C4
Gene No.	3506	Strand	+
Start	171	End	1424
Name	OJ990903_07.9B08.C4.o1.tw	Method	TBLASTX:Wheat
Start	207	End	605
GI	none	Score	80
Exons	207..296, 333..605		

Seq. No. 1706
 Gene No. 3506
 Start 171
 Name OJ990903_07.9B08.C4.o2.tw
 Start 1005
 GI none
 Exons 1005..1169, 1194..1298

Seq. ID OJ990903_07.9B08.C4
 Strand +
 End 1424
 Method TBLASTX:Wheat
 End 1298
 Score 147

Seq. No. 1706
 Gene No. 3506
 Start 171
 Name OJ990903_07.9B08.C4.o1.tm
 Start 1023
 GI none
 Exons 1023..1181, 1179..1403

Seq. ID OJ990903_07.9B08.C4
 Strand +
 End 1424
 Method TBLASTX:Maize
 End 1403
 Score 95

Seq. No. 1706
 Gene No. 3506
 Start 171
 Name OJ990903_07.9B08.C4.o2.ts
 Start 1026
 GI none
 Exons 1026..1424, 1130..1246

Seq. ID OJ990903_07.9B08.C4
 Strand +
 End 1424
 Method TBLASTX:Soybean
 End 1424
 Score 238

Seq. No. 1707
 Gene No. 3507
 Start 34
 Name OJ990903_07.9B08.C5.o1.gs
 Start 34
 GI none
 Exons 34..507, 588..701, 905..1208,

Seq. ID OJ990903_07.9B08.C5
 Strand -
 End 3794
 Method GENSCAN
 End 3794
 Score .77
 1477..1884, 2111..2849, 3713..3794

Seq. No. 1707
 Gene No. 3508
 Start 4608
 Name OJ990903_07.9B08.C5.o2.gs
 Start 4608
 GI none
 Exons 4608..4737, 4928..5126

Seq. ID OJ990903_07.9B08.C5
 Strand -
 End 5196
 Method GENSCAN
 End 5126
 Score .75

Seq. No. 1707
 Gene No. 3508
 Start 4608
 Name OJ990903_07.9B08.C5.o1.tw
 Start 4978
 GI none
 Exons 4978..5178, 4978..5196, 4988..5185

Seq. ID OJ990903_07.9B08.C5
 Strand -
 End 5196
 Method TBLASTX:Wheat
 End 5196
 Score 69

Seq. No. 1708
 Gene No. 3509
 Start 320
 Name OJ990903_07.9B08.C6.o1.gs
 Start 320
 GI none
 Exons 320..494

Seq. ID OJ990903_07.9B08.C6
 Strand -
 End 494
 Method GENSCAN
 End 494
 Score .9

Seq. No. 1709

Seq. ID OJ990903_07.9B08.C10

Gene No.	3510	Strand	+
Start	9201	End	10270
Name	OJ990903_07.9B08.C10.o4.gs	Method	GENSCAN
Start	9201	End	10270
GI	none	Score	.74
Exons	9201..9361, 9429..9668, 9772..9859, 10169..10270		
Seq. No.	1709	Seq. ID	OJ990903_07.9B08.C10
Gene No.	3511	Strand	-
Start	828	End	15974
Name	OJ990903_07.9B08.C10.o1.gs	Method	GENSCAN
Start	828	End	3077
GI	none	Score	.47
Exons	828..913, 940..1190, 2415..2700, 2882..3077		
Seq. No.	1709	Seq. ID	OJ990903_07.9B08.C10
Gene No.	3511	Strand	-
Start	828	End	15974
Name	OJ990903_07.9B08.C10.o1.np	Method	AAT/NAP
Start	846	End	15962
GI	1418990	Score	289
Exons	846..1135, 3439..3473, 14314..14351, 15328..15611, 15786..15962		
GI Descrip.	(Z75524) unknown [Lycopersicon esculentum]		
Seq. No.	1709	Seq. ID	OJ990903_07.9B08.C10
Gene No.	3511	Strand	-
Start	828	End	15974
Name	OJ990903_07.9B08.C10.o1.tm	Method	TBLASTX:Maize
Start	2437	End	15599
GI	none	Score	58
Exons	2437..2466, 2456..2539, 2468..2542, 2576..2707, 2585..2701, 9297..9353, 15342..15455, 15343..15453, 15486..15599, 15490..15585		
Seq. No.	1709	Seq. ID	OJ990903_07.9B08.C10
Gene No.	3511	Strand	-
Start	828	End	15974
Name	OJ990903_07.9B08.C10.o2.gs	Method	GENSCAN
Start	4261	End	7013
GI	none	Score	.5
Exons	4261..4370, 4667..4820, 6541..6675, 6849..7013		
Seq. No.	1709	Seq. ID	OJ990903_07.9B08.C10
Gene No.	3511	Strand	-
Start	828	End	15974
Name	OJ990903_07.9B08.C10.o5.gs	Method	GENSCAN
Start	11144	End	12216
GI	none	Score	.47
Exons	11144..11226, 12195..12216		
Seq. No.	1709	Seq. ID	OJ990903_07.9B08.C10
Gene No.	3511	Strand	-
Start	828	End	15974
Name	OJ990903_07.9B08.C10.o1.gp	Method	AAT/GAP
Start	13914	End	14132
GI	2798094	Score	419
Exons	13914..14132		

Seq. No.	1709	Seq. ID	OJ990903_07.9B08.C10
Gene No.	3511	Strand	-
Start	828	End	15974
Name	OJ990903_07.9B08.C10.o6.gs	Method	GENSCAN
Start	14069	End	15974
GI	none	Score	.97
Exons	14069..14431, 15267..15610, 15779..15974		
Seq. No.	1710	Seq. ID	OJ990903_07.9B08.C11
Gene No.	3512	Strand	+
Start	1597	End	1758
Name	OJ990903_07.9B08.C11.o1.gs	Method	GENSCAN
Start	1597	End	1758
GI	none	Score	.71
Exons	1597..1758		
Seq. No.	1711	Seq. ID	OJ990903_07.9B08.C13
Gene No.	3513	Strand	+
Start	1	End	5207
Name	OJ990903_07.9B08.C13.o2.np	Method	AAT/NAP
Start	1	End	5207
GI	5295955	Score	787
Exons	1..183, 1149..1300, 2454..2570, 3113..3227, 3908..4039, 4320..5207		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	1711	Seq. ID	OJ990903_07.9B08.C13
Gene No.	3514	Strand	-
Start	1	End	1495
Name	OJ990903_07.9B08.C13.o1.np	Method	AAT/NAP
Start	1	End	1495
GI	4680179	Score	1534
Exons	1..1495		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	1711	Seq. ID	OJ990903_07.9B08.C13
Gene No.	3515	Strand	-
Start	5533	End	6966
Name	OJ990903_07.9B08.C13.o2.tw	Method	TBLASTX:Wheat
Start	182	End	418
GI	none	Score	78
Exons	182..346, 204..299, 353..418		
Seq. No.	1711	Seq. ID	OJ990903_07.9B08.C13
Gene No.	3515	Strand	-
Start	5533	End	6966
Name	OJ990903_07.9B08.C13.o1.tm	Method	TBLASTX:Maize
Start	686	End	982
GI	none	Score	104
Exons	686..982, 795..965		
Seq. No.	1711	Seq. ID	OJ990903_07.9B08.C13
Gene No.	3515	Strand	-
Start	5533	End	6966
Name	OJ990903_07.9B08.C13.o1.tw	Method	TBLASTX:Wheat

Start	863	End	1226
GI	none	Score	82
Exons	863..1222, 864..1097, 1122..1226		

Seq. No.	1711	Seq. ID	OJ990903_07.9B08.C13
Gene No.	3515	Strand	-
Start	5533	End	6966
Name	OJ990903_07.9B08.C13.o3.np	Method	AAT/NAP
Start	5533	End	6966
GI	6907088	Score	1034
Exons	5533..5917, 6414..6653, 6829..6966		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	1712	Seq. ID	OJ990903_07.9B08.C14
Gene No.	3516	Strand	-
Start	812	End	1855
Name	OJ990903_07.9B08.C14.o1.gs	Method	GENSCAN
Start	812	End	1855
GI	none	Score	.56
Exons	812..978, 1705..1855		

Seq. No.	1713	Seq. ID	OJ990903_07.9B08.C15
Gene No.	3517	Strand	+
Start	82	End	2075
Name	OJ990903_07.9B08.C15.o1.gs	Method	GENSCAN
Start	82	End	2075
GI	none	Score	.43
Exons	82..153, 1046..1178, 1180..1255, 1359..1541, 1826..2075		

Seq. No.	1713	Seq. ID	OJ990903_07.9B08.C15
Gene No.	3518	Strand	-
Start	4654	End	4758
Name	OJ990903_07.9B08.C15.o2.gs	Method	GENSCAN
Start	4654	End	4758
GI	none	Score	.72
Exons	4654..4758		

Seq. No.	1714	Seq. ID	OJ990903_07.9B08.C16
Gene No.	3519	Strand	-
Start	1380	End	1491
Name	OJ990903_07.9B08.C16.o1.gs	Method	GENSCAN
Start	1380	End	1491
GI	none	Score	.95
Exons	1380..1491		

Seq. No.	1715	Seq. ID	OJ990903_07.9B08.C17
Gene No.	3520	Strand	-
Start	774	End	2293
Name	OJ990903_07.9B08.C17.o1.gs	Method	GENSCAN
Start	774	End	2293
GI	none	Score	.47
Exons	774..904, 1110..1242, 1386..1461, 2259..2293		

Seq. No.	1715	Seq. ID	OJ990903_07.9B08.C17
Gene No.	3521	Strand	-
Start	5732	End	12019
Name	OJ990903_07.9B08.C17.o1.np	Method	AAT/NAP

Start	5732	End	12019
GI	5777623	Score	962
Exons	5732..5828, 7331..7568, 8397..8909, 9355..9703, 11958..12019		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	1715	Seq. ID	OJ990903_07.9B08.C17
Gene No.	3521	Strand	-
Start	5732	End	12019
Name	OJ990903_07.9B08.C17.o3.gs	Method	GENSCAN
Start	6521	End	7114
GI	none	Score	.82
Exons	6521..6594, 7060..7114		

Seq. No.	1716	Seq. ID	OJ990903_07.9B08.C19
Gene No.	3522	Strand	-
Start	193	End	391
Name	OJ990903_07.9B08.C19.o1.gs	Method	GENSCAN
Start	193	End	391
GI	none	Score	.44
Exons	193..249, 373..391		

Seq. No.	1717	Seq. ID	OJ990903_07.9B08.C20
Gene No.	3523	Strand	+
Start	124	End	380
Name	OJ990903_07.9B08.C20.o1.gs	Method	GENSCAN
Start	124	End	380
GI	none	Score	.81
Exons	124..200, 248..380		

Seq. No.	1718	Seq. ID	OJ990903_07.9B08.C21
Gene No.	3524	Strand	+
Start	1986	End	3885
Name	OJ990903_07.9B08.C21.o2.np	Method	AAT/NAP
Start	1937	End	2623
GI	4544462	Score	163
Exons	1937..2133, 2331..2623		
GI Descrip.	(AC006580) NAM (no apical meristem)-like protein [Arabidopsis thaliana]		

Seq. No.	1718	Seq. ID	OJ990903_07.9B08.C21
Gene No.	3524	Strand	+
Start	1986	End	3885
Name	OJ990903_07.9B08.C21.o1.gs	Method	GENSCAN
Start	1986	End	3885
GI	none	Score	.69
Exons	1986..2136, 2550..2680, 3550..3885		

Seq. No.	1718	Seq. ID	OJ990903_07.9B08.C21
Gene No.	3525	Strand	-
Start	4597	End	5190
Name	OJ990903_07.9B08.C21.o1.tm	Method	TBLASTX:Maize
Start	2348	End	2605
GI	none	Score	106
Exons	2348..2461, 2362..2460, 2483..2605, 2483..2512, 2494..2604		

Seq. No.	1718	Seq. ID	OJ990903_07.9B08.C21
Gene No.	3525	Strand	-

Start	4597	End	5190
Name	OJ990903_07.9B08.C21.o2.gs	Method	GENSCAN
Start	4597	End	5190
GI	none	Score	.55
Exons	4597..4644, 4751..4917, 5025..5190		

Seq. No.	1719	Seq. ID	OJ990903_07.9B08.C22
Gene No.	3526	Strand	-
Start	81	End	286
Name	OJ990903_07.9B08.C22.o1.gs	Method	GENSCAN
Start	81	End	286
GI	none	Score	.64
Exons	81..286		

Seq. No.	1720	Seq. ID	OJ990903_07.9B08.C25
Gene No.	3527	Strand	+
Start	65	End	676
Name	OJ990903_07.9B08.C25.o1.gs	Method	GENSCAN
Start	65	End	676
GI	none	Score	.67
Exons	65..189, 554..676		

Seq. No.	1721	Seq. ID	OJ990903_07.9B08.C26
Gene No.	3528	Strand	-
Start	86	End	445
Name	OJ990903_07.9B08.C26.o1.gs	Method	GENSCAN
Start	86	End	445
GI	none	Score	.78
Exons	86..445		

Seq. No.	1722	Seq. ID	OJ990903_07.9B08.C28
Gene No.	3529	Strand	-
Start	277	End	814
Name	OJ990903_07.9B08.C28.o1.gs	Method	GENSCAN
Start	277	End	558
GI	none	Score	.79
Exons	277..558		

Seq. No.	1722	Seq. ID	OJ990903_07.9B08.C28
Gene No.	3529	Strand	-
Start	277	End	814
Name	OJ990903_07.9B08.C28.o1.ts	Method	TBLASTX:Soybean
Start	287	End	537
GI	none	Score	52
Exons	287..328, 292..537, 365..535, 370..537		

Seq. No.	1722	Seq. ID	OJ990903_07.9B08.C28
Gene No.	3529	Strand	-
Start	277	End	814
Name	OJ990903_07.9B08.C28.o1.np	Method	AAT/NAP
Start	298	End	814
GI	4544372	Score	182
Exons	298..814		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	1722	Seq. ID	OJ990903_07.9B08.C28
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Gene No. 3529
 Start 277
 Name OJ990903_07.9B08.C28.o1.tw
 Start 313
 GI none
 Exons 313..720, 347..712

Strand -
 End 814
 Method TBLASTX:Wheat
 End 720
 Score 115

Seq. No. 1723
 Gene No. 3530
 Start 158
 Name OJ990823_09.9B05.C1.o1.gs
 Start 158
 GI none
 Exons 158..250

Seq. ID OJ990823_09.9B05.C1
 Strand +
 End 250
 Method GENSCAN
 End 250
 Score .46

Seq. No. 1723
 Gene No. 3531
 Start 1637
 Name OJ990823_09.9B05.C1.o2.gs
 Start 1637
 GI none
 Exons 1637..1701, 1959..2051, 2106..2249

Seq. ID OJ990823_09.9B05.C1
 Strand -
 End 2249
 Method GENSCAN
 End 2249
 Score .96

Seq. No. 1724
 Gene No. 3532
 Start 286
 Name OJ990823_09.9B05.C4.o1.gs
 Start 286
 GI none
 Exons 286..413

Seq. ID OJ990823_09.9B05.C4
 Strand -
 End 413
 Method GENSCAN
 End 413
 Score .44

Seq. No. 1724
 Gene No. 3533
 Start 315
 Name OJ990823_09.9B05.C4.o1.np
 Start 315
 GI 6714293
 Exons 315..413
 GI Descrip. (AC013354) F15H18.21 [Arabidopsis thaliana]

Seq. ID OJ990823_09.9B05.C4
 Strand -
 End 413
 Method AAT/NAP
 End 413
 Score 41

Seq. No. 1725
 Gene No. 3534
 Start 1
 Name OJ990823_09.9B05.C5.o1.np
 Start 1
 GI 6714293
 Exons 1..109, 225..482
 GI Descrip. (AC013354) F15H18.21 [Arabidopsis thaliana]

Seq. ID OJ990823_09.9B05.C5
 Strand -
 End 482
 Method AAT/NAP
 End 482
 Score 106

Seq. No. 1725
 Gene No. 3534
 Start 1
 Name OJ990823_09.9B05.C5.o1.gs
 Start 29
 GI none
 Exons 29..109, 225..285

Seq. ID OJ990823_09.9B05.C5
 Strand -
 End 482
 Method GENSCAN
 End 285
 Score .99

Seq. No.	1726	Seq. ID	OJ990823_09.9B05.C6
Gene No.	3535	Strand	+
Start	4863	End	6996
Name	OJ990823_09.9B05.C6.o2.gs	Method	GENSCAN
Start	4863	End	6996
GI	none	Score	.73
Exons	4863..4904, 5192..5437, 5953..6070, 6806..6996		

Seq. No.	1726	Seq. ID	OJ990823_09.9B05.C6
Gene No.	3535	Strand	+
Start	4863	End	6996
Name	OJ990823_09.9B05.C6.o2.np	Method	AAT/NAP
Start	5170	End	6782
GI	6539588	Score	119
Exons	5170..5417, 6735..6782		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	1726	Seq. ID	OJ990823_09.9B05.C6
Gene No.	3536	Strand	+
Start	22622	End	23407
Name	OJ990823_09.9B05.C6.o7.gs	Method	GENSCAN
Start	22622	End	23407
GI	none	Score	.69
Exons	22622..22639, 23180..23206, 23264..23407		

Seq. No.	1726	Seq. ID	OJ990823_09.9B05.C6
Gene No.	3537	Strand	+
Start	24948	End	25005
Name	OJ990823_09.9B05.C6.o8.gs	Method	GENSCAN
Start	24948	End	25005
GI	none	Score	.82
Exons	24948..25005		

Seq. No.	1726	Seq. ID	OJ990823_09.9B05.C6
Gene No.	3538	Strand	-
Start	1	End	4257
Name	OJ990823_09.9B05.C6.o1.np	Method	AAT/NAP
Start	1	End	4257
GI	5902400	Score	1354
Exons	1..303, 387..1121, 1263..1601, 1688..1841, 1933..2393, 4235..4257		
GI Descrip.	(AC008148) Unknown protein [Arabidopsis thaliana]		

Seq. No.	1726	Seq. ID	OJ990823_09.9B05.C6
Gene No.	3538	Strand	-
Start	1	End	4257
Name	OJ990823_09.9B05.C6.o1.gs	Method	GENSCAN
Start	155	End	3032
GI	none	Score	.88
Exons	155..303, 387..1121, 1263..1601, 1688..1841, 1933..2682, 2824..3032		

Seq. No.	1726	Seq. ID	OJ990823_09.9B05.C6
Gene No.	3539	Strand	-
Start	15392	End	17926
Name	OJ990823_09.9B05.C6.o5.gs	Method	GENSCAN
Start	15392	End	17926

GI	none	Score	.51
Exons	15392..16010, 16068..16251, 16544..16647, 17235..17357, 17901..17926		

Seq. No.	1726	Seq. ID	OJ990823_09.9B05.C6
Gene No.	3540	Strand	-
Start	20115	End	21416
Name	OJ990823_09.9B05.C6.o1.tc	Method	TBLASTX:Cress
Start	1	End	306
GI	none	Score	197
Exons	1..195, 2..196, 208..306, 212..298		

Seq. No.	1726	Seq. ID	OJ990823_09.9B05.C6
Gene No.	3540	Strand	-
Start	20115	End	21416
Name	OJ990823_09.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	1	End	320
GI	none	Score	337
Exons	1..306, 2..295, 3..320		

Seq. No.	1726	Seq. ID	OJ990823_09.9B05.C6
Gene No.	3540	Strand	-
Start	20115	End	21416
Name	OJ990823_09.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	551
GI	none	Score	331
Exons	1..306, 2..295, 387..509, 394..456, 510..551		

Seq. No.	1726	Seq. ID	OJ990823_09.9B05.C6
Gene No.	3540	Strand	-
Start	20115	End	21416
Name	OJ990823_09.9B05.C6.o2.tc	Method	TBLASTX:Cress
Start	987	End	1601
GI	none	Score	67
Exons	987..1121, 1004..1090, 1260..1307, 1261..1326, 1347..1511, 1348..1503, 1500..1598, 1500..1601		

Seq. No.	1726	Seq. ID	OJ990823_09.9B05.C6
Gene No.	3540	Strand	-
Start	20115	End	21416
Name	OJ990823_09.9B05.C6.o2.ts	Method	TBLASTX:Soybean
Start	1500	End	2066
GI	none	Score	91
Exons	1500..1613, 1513..1605, 1676..1837, 1676..1843, 1686..1844, 1933..2061, 1935..2066		

Seq. No.	1726	Seq. ID	OJ990823_09.9B05.C6
Gene No.	3540	Strand	-
Start	20115	End	21416
Name	OJ990823_09.9B05.C6.o3.tc	Method	TBLASTX:Cress
Start	1676	End	1992
GI	none	Score	78
Exons	1676..1843, 1740..1844, 1933..1992, 1935..1991		

Seq. No.	1726	Seq. ID	OJ990823_09.9B05.C6
Gene No.	3540	Strand	-
Start	20115	End	21416

Name	OJ990823_09.9B05.C6.o2.tm	Method	TBLASTX:Maize
Start	1775	End	2159
GI	none	Score	82
Exons	1775..1843, 1923..2009, 1933..2010, 1995..2066, 2070..2159		

Seq. No.	1726	Seq. ID	OJ990823_09.9B05.C6
Gene No.	3540	Strand	-
Start	20115	End	21416
Name	OJ990823_09.9B05.C6.o6.gs	Method	GENSCAN
Start	20115	End	21416
GI	none	Score	.92
Exons	20115..20433, 21331..21416		

Seq. No.	1727	Seq. ID	OJ990823_09.9B05.C7
Gene No.	3541	Strand	+
Start	528	End	585
Name	OJ990823_09.9B05.C7.o1.gs	Method	GENSCAN
Start	528	End	585
GI	none	Score	.52
Exons	528..585		

Seq. No.	1728	Seq. ID	OJ990823_09.9B05.C8
Gene No.	3542	Strand	+
Start	334	End	420
Name	OJ990823_09.9B05.C8.o1.gp	Method	AAT/GAP
Start	334	End	420
GI	LIB3433-050-P1-K1-D10	Score	124
Exons	334..420		
GI Descrip.	'1732204 4.0e-20 (U65015) putative aldolase [Vibrio furnissii]'		

Seq. No.	1728	Seq. ID	OJ990823_09.9B05.C8
Gene No.	3543	Strand	+
Start	338	End	457
Name	OJ990823_09.9B05.C8.o1.gs	Method	GENSCAN
Start	338	End	457
GI	none	Score	.45
Exons	338..457		

Seq. No.	1728	Seq. ID	OJ990823_09.9B05.C8
Gene No.	3544	Strand	-
Start	113	End	416
Name	OJ990823_09.9B05.C8.o1.np	Method	AAT/NAP
Start	113	End	416
GI	6815099	Score	102
Exons	113..416		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	1729	Seq. ID	OJ990823_09.9B05.C9
Gene No.	3545	Strand	+
Start	180	End	1235
Name	OJ990823_09.9B05.C9.o1.gs	Method	GENSCAN
Start	180	End	1235
GI	none	Score	.45
Exons	180..312, 786..1080, 1148..1235		

Seq. No.	1730	Seq. ID	OJ990823_09.9B05.C10
Gene No.	3546	Strand	-

Start	154	End	444
Name	OJ990823_09.9B05.C10.o1.ts	Method	TBLASTX:Soybean
Start	153	End	432
GI	none	Score	179
Exons	153..428, 158..424, 253..432		

Seq. No.	1730	Seq. ID	OJ990823_09.9B05.C10
Gene No.	3546	Strand	-
Start	154	End	444
Name	OJ990823_09.9B05.C10.o1.np	Method	AAT/NAP
Start	154	End	444
GI	5902400	Score	303
Exons	154..444		
GI Descrip.	(AC008148) Unknown protein [Arabidopsis thaliana]		

Seq. No.	1730	Seq. ID	OJ990823_09.9B05.C10
Gene No.	3546	Strand	-
Start	154	End	444
Name	OJ990823_09.9B05.C10.o1.tc	Method	TBLASTX:Cress
Start	155	End	428
GI	none	Score	154
Exons	155..424, 159..329, 163..390, 357..428		

Seq. No.	1730	Seq. ID	OJ990823_09.9B05.C10
Gene No.	3546	Strand	-
Start	154	End	444
Name	OJ990823_09.9B05.C10.o1.gs	Method	GENSCAN
Start	158	End	376
GI	none	Score	.59
Exons	158..376		

Seq. No.	1730	Seq. ID	OJ990823_09.9B05.C10
Gene No.	3546	Strand	-
Start	154	End	444
Name	OJ990823_09.9B05.C10.o1.tm	Method	TBLASTX:Maize
Start	158	End	443
GI	none	Score	.362
Exons	158..424, 159..443		

Seq. No.	1731	Seq. ID	OJ990823_09.9B05.C11
Gene No.	3547	Strand	+
Start	197	End	626
Name	OJ990823_09.9B05.C11.o1.gs	Method	GENSCAN
Start	197	End	626
GI	none	Score	.43
Exons	197..364, 399..626		

Seq. No.	1732	Seq. ID	OJ990823_09.9B05.C12
Gene No.	3548	Strand	-
Start	529	End	2541
Name	OJ990823_09.9B05.C12.o1.gs	Method	GENSCAN
Start	529	End	2541
GI	none	Score	.57
Exons	529..702, 1180..1214, 1465..1564, 1966..2038, 2366..2541		

Seq. No.	1733	Seq. ID	OJ990823_09.9B05.C13
Gene No.	3549	Strand	-

Start	1	End	1183
Name	OJ990823_09.9B05.C13.o1.np	Method	AAT/NAP
Start	1	End	1183
GI	5922620	Score	444
Exons	1..167, 215..308, 539..624, 966..1183		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1733	Seq. ID	OJ990823_09.9B05.C13
Gene No.	3549	Strand	-
Start	1	End	1183
Name	OJ990823_09.9B05.C13.o1.gs	Method	GENSCAN
Start	98	End	1183
GI	none	Score	.91
Exons	98..238, 461..624, 937..961, 1007..1183		

Seq. No.	1734	Seq. ID	OJ990823_09.9B05.C14
Gene No.	3550	Strand	+
Start	1	End	547
Name	OJ990823_09.9B05.C14.o1.np	Method	AAT/NAP
Start	1	End	547
GI	6630699	Score	74
Exons	1..43, 464..547		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	1734	Seq. ID	OJ990823_09.9B05.C14
Gene No.	3551	Strand	+
Start	555	End	712
Name	OJ990823_09.9B05.C14.o1.gs	Method	GENSCAN
Start	555	End	712
GI	none	Score	.6
Exons	555..600, 630..712		

Seq. No.	1734	Seq. ID	OJ990823_09.9B05.C14
Gene No.	3552	Strand	+
Start	673	End	3492
Name	OJ990823_09.9B05.C14.o2.np	Method	AAT/NAP
Start	673	End	3492
GI	6539570	Score	152
Exons	673..876, 1046..1112, 3474..3492		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	1734	Seq. ID	OJ990823_09.9B05.C14
Gene No.	3553	Strand	+
Start	7093	End	7911
Name	OJ990823_09.9B05.C14.o3.gs	Method	GENSCAN
Start	7093	End	7911
GI	none	Score	.59
Exons	7093..7487, 7549..7585, 7696..7911		

Seq. No.	1734	Seq. ID	OJ990823_09.9B05.C14
Gene No.	3554	Strand	-

Start	9278	End	11351
Name	OJ990823_09.9B05.C14.o4.gs	Method	GENSCAN
Start	9278	End	10814
GI	none	Score	.67
Exons	9278..9340, 9582..9736, 9950..10045, 10748..10814		

Seq. No.	1734	Seq. ID	OJ990823_09.9B05.C14
Gene No.	3554	Strand	-
Start	9278	End	11351
Name	OJ990823_09.9B05.C14.o2.tm	Method	TBLASTX:Maize
Start	9585	End	11351
GI	none	Score	92
Exons	9585..9896, 11208..11351		

Seq. No.	1734	Seq. ID	OJ990823_09.9B05.C14
Gene No.	3554	Strand	-
Start	9278	End	11351
Name	OJ990823_09.9B05.C14.o1.tm	Method	TBLASTX:Maize
Start	10128	End	10555
GI	none	Score	68
Exons	10128..10238, 10159..10239, 10239..10295, 10239..10313, 10240..10296, 10308..10550, 10308..10550, 10315..10551, 10418..10555		

Seq. No.	1734	Seq. ID	OJ990823_09.9B05.C14
Gene No.	3554	Strand	-
Start	9278	End	11351
Name	OJ990823_09.9B05.C14.o1.tw	Method	TBLASTX:Wheat
Start	10185	End	10499
GI	none	Score	180
Exons	10185..10499, 10198..10479, 10251..10472		

Seq. No.	1735	Seq. ID	OJ990823_09.9B05.C16
Gene No.	3555	Strand	+
Start	330	End	911
Name	OJ990823_09.9B05.C16.o1.gs	Method	GENSCAN
Start	330	End	911
GI	none	Score	.84
Exons	330..597, 760..911		

Seq. No.	1736	Seq. ID	OJ990823_09.9B05.C17
Gene No.	3556	Strand	+
Start	33	End	6215
Name	OJ990823_09.9B05.C17.o2.tm	Method	TBLASTX:Maize
Start	1	End	232
GI	none	Score	58
Exons	1..123, 2..124, 3..140, 6..137, 137..232, 144..230, 158..232		

Seq. No.	1736	Seq. ID	OJ990823_09.9B05.C17
Gene No.	3556	Strand	+
Start	33	End	6215
Name	OJ990823_09.9B05.C17.o1.gs	Method	GENSCAN
Start	33	End	1112
GI	none	Score	.76
Exons	33..1112		

Seq. No.	1736	Seq. ID	OJ990823_09.9B05.C17
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Gene No.	3556	Strand	+
Start	33	End	6215
Name	OJ990823_09.9B05.C17.o1.tm	Method	TBLASTX:Maize
Start	270	End	812
GI	none	Score	310
Exons	270..593, 291..434, 317..568, 762..812		

Seq. No.	1736	Seq. ID	OJ990823_09.9B05.C17
Gene No.	3556	Strand	+
Start	33	End	6215
Name	OJ990823_09.9B05.C17.o1.np	Method	AAT/NAP
Start	403	End	3523
GI	6016874	Score	423
Exons	403..582, 751..1094, 1552..1792, 3481..3523		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	1736	Seq. ID	OJ990823_09.9B05.C17
Gene No.	3556	Strand	+
Start	33	End	6215
Name	OJ990823_09.9B05.C17.o3.tm	Method	TBLASTX:Maize
Start	813	End	1028
GI	none	Score	197
Exons	813..1028, 815..1024		

Seq. No.	1736	Seq. ID	OJ990823_09.9B05.C17
Gene No.	3556	Strand	+
Start	33	End	6215
Name	OJ990823_09.9B05.C17.o2.gs	Method	GENSCAN
Start	1713	End	5972
GI	none	Score	.72
Exons	1713..1764, 1972..2218, 2372..2486, 2562..2585, 2630..2702, 2946..3023, 3056..3184, 3367..3440, 3526..3580, 5018..5061, 5140..5412, 5868..5972		

Seq. No.	1736	Seq. ID	OJ990823_09.9B05.C17
Gene No.	3556	Strand	+
Start	33	End	6215
Name	OJ990823_09.9B05.C17.o2.np	Method	AAT/NAP
Start	2419	End	6215
GI	6714293	Score	376
Exons	2419..2517, 2630..2702, 2943..3178, 3367..3440, 3670..3740, 3883..4098, 4792..4874, 5099..5334, 5868..5944, 6198..6215		
GI Descrip.	(AC013354) F15H18.21 [Arabidopsis thaliana]		

Seq. No.	1737	Seq. ID	OJ990823_09.9B05.C18
Gene No.	3557	Strand	-
Start	615	End	905
Name	OJ990823_09.9B05.C18.o1.gs	Method	GENSCAN
Start	615	End	905
GI	none	Score	.75
Exons	615..677, 822..905		

Seq. No.	1738	Seq. ID	OJ990823_09.9B05.C21
Gene No.	3558	Strand	+
Start	820	End	3430

Name	OJ990823_09.9B05.C21.o1.gs	Method	GENSCAN
Start	820	End	3430
GI	none	Score	.88
Exons	820..951, 3057..3430		
Seq. No.	1738	Seq. ID	OJ990823_09.9B05.C21
Gene No.	3559	Strand	-
Start	4110	End	4582
Name	OJ990823_09.9B05.C21.o2.gs	Method	GENSCAN
Start	4110	End	4582
GI	none	Score	.76
Exons	4110..4205, 4232..4386, 4501..4582		
Seq. No.	1739	Seq. ID	OJ990823_09.9B05.C22
Gene No.	3560	Strand	+
Start	4879	End	11585
Name	OJ990823_09.9B05.C22.o2.np	Method	AAT/NAP
Start	4879	End	6184
GI	5777617	Score	94
Exons	4879..4916, 6069..6184		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	1739	Seq. ID	OJ990823_09.9B05.C22
Gene No.	3560	Strand	+
Start	4879	End	11585
Name	OJ990823_09.9B05.C22.o3.np	Method	AAT/NAP
Start	5409	End	7388
GI	5441884	Score	114
Exons	5409..5527, 6320..6717, 6755..6914, 7292..7388		
GI Descrip.	(AP000367) Similar to Arabidopsis thaliana DNA contig fragment. (Z99707) [Oryza sativa]		
Seq. No.	1739	Seq. ID	OJ990823_09.9B05.C22
Gene No.	3560	Strand	+
Start	4879	End	11585
Name	OJ990823_09.9B05.C22.o2.gs	Method	GENSCAN
Start	5459	End	11585
GI	none	Score	.66
Exons	5459..5566, 5823..6104, 6343..6444, 6504..6900, 7104..7319, 7522..7652, 11009..11152, 11532..11585		
Seq. No.	1739	Seq. ID	OJ990823_09.9B05.C22
Gene No.	3561	Strand	-
Start	3282	End	5643
Name	OJ990823_09.9B05.C22.o1.np	Method	AAT/NAP
Start	3282	End	5643
GI	5922634	Score	135
Exons	3282..3336, 5544..5643		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016867 dbj BAA85210.1 (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	1739	Seq. ID	OJ990823_09.9B05.C22
Gene No.	3561	Strand	-
Start	3282	End	5643
Name	OJ990823_09.9B05.C22.o1.gp	Method	AAT/GAP
Start	3463	End	3868

GI 80174.1.R1084 Score 572
 Exons 3463..3868
 GI Descrip. '169818/gb|M11585|RICRGA 0.0e+00 Rice 25S ribosomal RNA gene'

Seq. No. 1739 Seq. ID OJ990823_09.9B05.C22
 Gene No. 3562 Strand -
 Start 12430 End 13728
 Name OJ990823_09.9B05.C22.o1.tm Method TBLASTX:Maize
 Start 2751 End 3501
 GI none Score 56
 Exons 2751..2852, 2806..2853, 2807..2854, 2903..3091, 2944..3039,
 2946..3041, 3041..3226, 3042..3227, 3070..3228, 3178..3435,
 3226..3447, 3227..3436, 3439..3483, 3475..3501

Seq. No. 1739 Seq. ID OJ990823_09.9B05.C22
 Gene No. 3562 Strand -
 Start 12430 End 13728
 Name OJ990823_09.9B05.C22.o2.tw Method TBLASTX:Wheat
 Start 2965 End 3295
 GI none Score 89
 Exons 2965..3039, 2967..3056, 2973..3041, 3040..3228, 3041..3295,
 3041..3226, 3070..3228, 3175..3294

Seq. No. 1739 Seq. ID OJ990823_09.9B05.C22
 Gene No. 3562 Strand -
 Start 12430 End 13728
 Name OJ990823_09.9B05.C22.o1.tc Method TBLASTX:Cress
 Start 2970 End 3330
 GI none Score 98
 Exons 2970..3056, 2971..3039, 3041..3226, 3042..3227, 3043..3228,
 3136..3330, 3229..3315

Seq. No. 1739 Seq. ID OJ990823_09.9B05.C22
 Gene No. 3562 Strand -
 Start 12430 End 13728
 Name OJ990823_09.9B05.C22.o1.ts Method TBLASTX:Soybean
 Start 2973 End 3542
 GI none Score 74
 Exons 2973..3032, 2974..3033, 2989..3225, 3005..3226, 3024..3227,
 3041..3295, 3178..3447, 3228..3362, 3229..3432, 3495..3542,
 3497..3541

Seq. No. 1739 Seq. ID OJ990823_09.9B05.C22
 Gene No. 3562 Strand -
 Start 12430 End 13728
 Name OJ990823_09.9B05.C22.o3.tm Method TBLASTX:Maize
 Start 3501 End 4391
 GI none Score 192
 Exons 3501..3641, 3506..3643, 3507..3641, 3572..3694, 3645..3692,
 4212..4391, 4212..4388, 4213..4389, 4310..4390

Seq. No. 1739 Seq. ID OJ990823_09.9B05.C22
 Gene No. 3562 Strand -
 Start 12430 End 13728
 Name OJ990823_09.9B05.C22.o1.tw Method TBLASTX:Wheat
 Start 3563 End 4365
 GI none Score 95

Exons 3563..3643, 3564..3641, 3568..3645, 3569..3646, 3577..3795,
3642..3803, 3645..3797, 3753..3854, 3790..3858, 3801..3854,
4027..4338, 4046..4339, 4050..4343, 4051..4365

Seq. No. 1739 Seq. ID OJ990823_09.9B05.C22
Gene No. 3562 Strand -
Start 12430 End 13728
Name OJ990823_09.9B05.C22.o2.tc Method TBLASTX:Cress
Start 3617 End 4289
GI none Score 225
Exons 3617..3796, 3618..3797, 3619..3801, 3753..3854, 3790..3858,
3801..3854, 4046..4282, 4049..4264, 4050..4289

Seq. No. 1739 Seq. ID OJ990823_09.9B05.C22
Gene No. 3562 Strand -
Start 12430 End 13728
Name OJ990823_09.9B05.C22.o3.gs Method GENSCAN
Start 12430 End 13728
GI none Score .86
Exons 12430..12456, 12925..13728

Seq. No. 1739 Seq. ID OJ990823_09.9B05.C22
Gene No. 3562 Strand -
Start 12430 End 13728
Name OJ990823_09.9B05.C22.o4.np Method AAT/NAP
Start 13127 End 13728
GI 5902399 Score 241
Exons 13127..13310, 13341..13728
GI Descrip. (AC008148) Hypothetical protein [Arabidopsis thaliana]

Seq. No. 1739 Seq. ID OJ990823_09.9B05.C22
Gene No. 3562 Strand -
Start 12430 End 13728
Name OJ990823_09.9B05.C22.o2.tm Method TBLASTX:Maize
Start 13219 End 13671
GI none Score 95
Exons 13219..13380, 13222..13308, 13223..13381, 13324..13404,
13349..13660, 13357..13659, 13609..13671

Seq. No. 1739 Seq. ID OJ990823_09.9B05.C22
Gene No. 3562 Strand -
Start 12430 End 13728
Name OJ990823_09.9B05.C22.o3.tc Method TBLASTX:Cress
Start 13219 End 13710
GI none Score 154
Exons 13219..13311, 13396..13461, 13510..13710

Seq. No. 1739 Seq. ID OJ990823_09.9B05.C22
Gene No. 3562 Strand -
Start 12430 End 13728
Name OJ990823_09.9B05.C22.o2.ts Method TBLASTX:Soybean
Start 13222 End 13710
GI none Score 67
Exons 13222..13326, 13229..13327, 13390..13461, 13510..13710

Seq. No. 1740 Seq. ID OJ990823_09.9B05.C23
Gene No. 3563 Strand +

Start	1066	End	1230
Name	OJ990823_09.9B05.C23.o1.gs	Method	GENSCAN
Start	1066	End	1230
GI	none	Score	.95
Exons	1066..1230		

Seq. No.	1740	Seq. ID	OJ990823_09.9B05.C23
Gene No.	3564	Strand	-
Start	1915	End	5757
Name	OJ990823_09.9B05.C23.o2.gs	Method	GENSCAN
Start	1915	End	5757
GI	none	Score	.44
Exons	1915..2025, 3705..3828, 3903..4068, 4271..4356, 4727..4942, 5078..5375, 5628..5757		

Seq. No.	1741	Seq. ID	OJ990823_09.9B05.C24
Gene No.	3565	Strand	+
Start	952	End	1055
Name	OJ990823_09.9B05.C24.o1.gs	Method	GENSCAN
Start	952	End	1055
GI	none	Score	.94
Exons	952..1055		

Seq. No.	1742	Seq. ID	OJ990823_09.9B05.C25
Gene No.	3566	Strand	-
Start	148	End	444
Name	OJ990823_09.9B05.C25.o1.gs	Method	GENSCAN
Start	148	End	444
GI	none	Score	.63
Exons	148..444		

Seq. No.	1743	Seq. ID	OJ990803_09.9B05.C1
Gene No.	3567	Strand	+
Start	1189	End	1340
Name	OJ990803_09.9B05.C1.o1.gs	Method	GENSCAN
Start	1189	End	1340
GI	none	Score	.97
Exons	1189..1340		

Seq. No.	1743	Seq. ID	OJ990803_09.9B05.C1
Gene No.	3568	Strand	+
Start	2414	End	8328
Name	OJ990803_09.9B05.C1.o2.gs	Method	GENSCAN
Start	2414	End	7398
GI	none	Score	.61
Exons	2414..2438, 5185..5262, 5613..5956, 6011..6196, 7372..7398		

Seq. No.	1743	Seq. ID	OJ990803_09.9B05.C1
Gene No.	3568	Strand	+
Start	2414	End	8328
Name	OJ990803_09.9B05.C1.o2.np	Method	AAT/NAP
Start	6409	End	8328
GI	128620	Score	498
Exons	6409..6483, 7996..8328		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 1, CHLOROPLAST gi 66139 pir DERZN1 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 1 - rice chloroplast gi 669087 emb CAA33910		

(X15901) NADH dehydrogenase ND1 [Oryza sativa]
gi|226676|prf||1603356DD NADH dehydrogenase ND1 [Oryza sativa]

Seq. No.	1743	Seq. ID	OJ990803_09.9B05.C1
Gene No.	3569	Strand	-
Start	4802	End	5105
Name	OJ990803_09.9B05.C1.o1.gp	Method	AAT/GAP
Start	4802	End	5105
GI	3761708	Score	540
Exons	4802..5105		

Seq. No.	1743	Seq. ID	OJ990803_09.9B05.C1
Gene No.	3570	Strand	-
Start	5248	End	6211
Name	OJ990803_09.9B05.C1.o1.np	Method	AAT/NAP
Start	5248	End	6075
GI	4105794	Score	335
Exons	5248..5327, 5641..5925, 6009..6075		
GI Descrip.	(AF049928) PGP224 [Petunia x hybrida]		

Seq. No.	1743	Seq. ID	OJ990803_09.9B05.C1
Gene No.	3570	Strand	-
Start	5248	End	6211
Name	OJ990803_09.9B05.C1.o2.gp	Method	AAT/GAP
Start	5609	End	6211
GI	uC-osflM202020f04b1	Score	944
Exons	5609..5925, 6009..6211		
GI Descrip.	'5734716/gb AAD49981.1 AC008075_14 8.0e-37 (AC008075) Simialr to gb_AF049928 PGP224 protein from Petunia x hybrida. [Arabidopsis thaliana]'		

Seq. No.	1743	Seq. ID	OJ990803_09.9B05.C1
Gene No.	3571	Strand	-
Start	8333	End	10441
Name	OJ990803_09.9B05.C1.o1.tc	Method	TBLASTX:Cress
Start	5639	End	6051
GI	none	Score	216
Exons	5639..5920, 5640..5924, 5998..6051		

Seq. No.	1743	Seq. ID	OJ990803_09.9B05.C1
Gene No.	3571	Strand	-
Start	8333	End	10441
Name	OJ990803_09.9B05.C1.o1.ts	Method	TBLASTX:Soybean
Start	5639	End	6057
GI	none	Score	233
Exons	5639..5920, 5640..5951, 6007..6057		

Seq. No.	1743	Seq. ID	OJ990803_09.9B05.C1
Gene No.	3571	Strand	-
Start	8333	End	10441
Name	OJ990803_09.9B05.C1.o1.tw	Method	TBLASTX:Wheat
Start	5669	End	6066
GI	none	Score	245
Exons	5669..5920, 5670..5951, 5998..6066		

Seq. No.	1743	Seq. ID	OJ990803_09.9B05.C1
Gene No.	3571	Strand	-

Start	8333	End	10441
Name	OJ990803_09.9B05.C1.o1.tm	Method	TBLASTX:Maize
Start	5714	End	6084
GI	none	Score	214
Exons	5714..5920, 5718..5918, 5998..6084		

Seq. No.	1743	Seq. ID	OJ990803_09.9B05.C1
Gene No.	3571	Strand	-
Start	8333	End	10441
Name	OJ990803_09.9B05.C1.o2.tc	Method	TBLASTX:Cress
Start	8006	End	8312
GI	none	Score	352
Exons	8006..8305, 8006..8305, 8007..8306, 8008..8307, 8014..8307, 8094..8312		

Seq. No.	1743	Seq. ID	OJ990803_09.9B05.C1
Gene No.	3571	Strand	-
Start	8333	End	10441
Name	OJ990803_09.9B05.C1.o2.ts	Method	TBLASTX:Soybean
Start	8006	End	8331
GI	none	Score	347
Exons	8006..8329, 8006..8329, 8008..8331, 8014..8331		

Seq. No.	1743	Seq. ID	OJ990803_09.9B05.C1
Gene No.	3571	Strand	-
Start	8333	End	10441
Name	OJ990803_09.9B05.C1.o3.gs	Method	GENSCAN
Start	8333	End	10441
GI	none	Score	.81
Exons	8333..8548, 8621..8693, 9133..9252, 10183..10279, 10380..10441		

Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3572	Strand	+
Start	7624	End	13584
Name	OJ990803_09.9B05.C2.o1.gp	Method	AAT/GAP
Start	7624	End	10216
GI	358_4.R1084	Score	1026
Exons	7624..7667, 9628..10079, 10168..10216		
GI Descrip.	'2492487/sp Q43470 143B_HORVU 4.0e-75 14-3-3-LIKE PROTEIN B (14-3-3B) >gi_1070354_emb_CAA63658_ (X93170) Hv14-3-3b [Hordeum vulgare]'		

Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3572	Strand	+
Start	7624	End	13584
Name	OJ990803_09.9B05.C2.o2.gs	Method	GENSCAN
Start	7992	End	13584
GI	none	Score	.67
Exons	7992..8626, 9651..10079, 10168..10246, 10407..10529, 11191..11307, 11738..11908, 13208..13325, 13406..13584		

Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3572	Strand	+
Start	7624	End	13584
Name	OJ990803_09.9B05.C2.o1.np	Method	AAT/NAP
Start	8115	End	8600
GI	5051763	Score	280

Exons 8115..8447, 8481..8600
GI Descrip. (AL078637) putative protein [Arabidopsis thaliana]

Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3572	Strand	+
Start	7624	End	13584
Name	OJ990803_09.9B05.C2.o2.np	Method	AAT/NAP
Start	9670	End	11458
GI	2492487	Score	1148
Exons	9670..10079, 10168..10246, 10407..10529, 11191..11307, 11402..11458		
GI Descrip.	14-3-3-LIKE PROTEIN B (14-3-3B) gi 1070354 emb CAA63658 (X93170) Hv14-3-3b [Hordeum vulgare]		

Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3572	Strand	+
Start	7624	End	13584
Name	OJ990803_09.9B05.C2.o2.gp	Method	AAT/GAP
Start	9842	End	11267
GI	358_2.R1084	Score	740
Exons	9842..10079, 10168..10246, 10407..10529, 11191..11267		
GI Descrip.	'2811014/sp O02414 DYLL1 ANTICR 8.0e-14 DYNEIN LIGHT CHAIN LC6, FLAGELLAR OUTER ARM >gi_2208914_dbj_BAA20525_ (AB004830) outer arm dynein LC6 [Anthocidaris crassispina]'		

Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3572	Strand	+
Start	7624	End	13584
Name	OJ990803_09.9B05.C2.o3.gp	Method	AAT/GAP
Start	10503	End	11928
GI	358_2.R1084	Score	1298
Exons	10503..10529, 11191..11307, 11402..11928		
GI Descrip.	'2811014/sp O02414 DYLL1 ANTICR 8.0e-14 DYNEIN LIGHT CHAIN LC6, FLAGELLAR OUTER ARM >gi_2208914_dbj_BAA20525_ (AB004830) outer arm dynein LC6 [Anthocidaris crassispina]'		

Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3572	Strand	+
Start	7624	End	13584
Name	OJ990803_09.9B05.C2.o4.gp	Method	AAT/GAP
Start	11188	End	11935
GI	358_2.R1084	Score	1239
Exons	11188..11307, 11402..11935		
GI Descrip.	'2811014/sp O02414 DYLL1 ANTICR 8.0e-14 DYNEIN LIGHT CHAIN LC6, FLAGELLAR OUTER ARM >gi_2208914_dbj_BAA20525_ (AB004830) outer arm dynein LC6 [Anthocidaris crassispina]'		

Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3573	Strand	-
Start	14111	End	17663
Name	OJ990803_09.9B05.C2.o2.tw	Method	TBLASTX:Wheat
Start	2075	End	3048
GI	none	Score	164
Exons	2075..2185, 2077..2208, 2077..2172, 2372..2608, 2372..2611, 2374..2616, 2906..3046, 2923..3048		

Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
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Gene No.	3573	Strand	-
Start	14111	End	17663
Name	OJ990803_09.9B05.C2.o3.ts	Method	TBLASTX:Soybean
Start	2371	End	2633
GI	none	Score	243
Exons	2371..2610, 2372..2614, 2372..2632, 2373..2633		
Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3573	Strand	-
Start	14111	End	17663
Name	OJ990803_09.9B05.C2.o2.tm	Method	TBLASTX:Maize
Start	2380	End	3573
GI	none	Score	292
Exons	2380..2616, 2381..2608, 2918..3043, 2923..3075, 3164..3391, 3167..3391, 3168..3398, 3169..3399, 3397..3573, 3464..3568, 3481..3570		
Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3573	Strand	-
Start	14111	End	17663
Name	OJ990803_09.9B05.C2.o3.tc	Method	TBLASTX:Cress
Start	3571	End	5780
GI	none	Score	79
Exons	3571..3678, 3572..3679, 5373..5519, 5374..5526, 5601..5627, 5730..5780		
Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3573	Strand	-
Start	14111	End	17663
Name	OJ990803_09.9B05.C2.o2.tc	Method	TBLASTX:Cress
Start	8214	End	8447
GI	none	Score	218
Exons	8214..8447		
Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3573	Strand	-
Start	14111	End	17663
Name	OJ990803_09.9B05.C2.o4.ts	Method	TBLASTX:Soybean
Start	8223	End	8447
GI	none	Score	216
Exons	8223..8447, 8357..8446		
Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3573	Strand	-
Start	14111	End	17663
Name	OJ990803_09.9B05.C2.o1.tw	Method	TBLASTX:Wheat
Start	9642	End	10083
GI	none	Score	593
Exons	9642..10073, 9682..10083, 9812..10078, 9934..10083		
Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3573	Strand	-
Start	14111	End	17663
Name	OJ990803_09.9B05.C2.o1.tc	Method	TBLASTX:Cress
Start	9675	End	11339
GI	none	Score	591
Exons	9675..10073, 9691..10083, 9784..10083, 10160..10258,		

10165..10248, 10383..10529, 10386..10532, 10403..10531,
10403..10549, 11188..11307, 11190..11339

Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3573	Strand	-
Start	14111	End	17663
Name	OJ990803_09.9B05.C2.o1.tm	Method	TBLASTX:Maize
Start	9681	End	11474
GI	none	Score	58
Exons	9681..9713, 9686..9715, 9686..9715, 9718..10083, 9759..10073, 9784..10083, 10165..10242, 10166..10258, 10382..10549, 10383..10529, 10406..10531, 11177..11296, 11180..11308, 11188..11307, 11190..11324, 11396..11464, 11400..11474		

Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3573	Strand	-
Start	14111	End	17663
Name	OJ990803_09.9B05.C2.o1.ts	Method	TBLASTX:Soybean
Start	9681	End	11324
GI	none	Score	594
Exons	9681..10073, 9682..10083, 9833..10081, 9937..10083, 10160..10258, 10165..10263, 10395..10529, 10403..10549, 11188..11307, 11190..11324		

Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3573	Strand	-
Start	14111	End	17663
Name	OJ990803_09.9B05.C2.o3.tw	Method	TBLASTX:Wheat
Start	10383	End	11312
GI	none	Score	207
Exons	10383..10529, 10406..10522, 10445..10534, 10450..10530, 11180..11305, 11185..11307, 11186..11302, 11250..11312		

Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3573	Strand	-
Start	14111	End	17663
Name	OJ990803_09.9B05.C2.o5.gp	Method	AAT/GAP
Start	14111	End	17334
GI	287148	Score	689
Exons	14111..14374, 17226..17334		
GI Descrip.	2811014/sp O02414 DYL1 ANTCR 8.0e-14 DYNEIN LIGHT CHAIN LC6, FLAGELLAR OUTER ARM >gi_2208914_dbj_BAA20525_ (AB004830) outer arm dynein LC6 [Anthocidaris crassispina]		

Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3573	Strand	-
Start	14111	End	17663
Name	OJ990803_09.9B05.C2.o2.ts	Method	TBLASTX:Soybean
Start	14207	End	14386
GI	4302625	Score	121
Exons	14207..14377, 14222..14386, 14223..14381, 14308..14382		
GI Descrip.	2811014/sp_O02414_DYL1 ANTCR 1.0e-10 DYNEIN LIGHT CHAIN LC6, FLAGELLAR OUTER ARM >gi_2208914_dbj_BAA20525_ (AB004830) outer arm dynein LC6 [Anthocidaris crassispina]		

Seq. No.	1744	Seq. ID	OJ990803_09.9B05.C2
Gene No.	3573	Strand	-

Start 14111
 Name OJ990803_09.9B05.C2.o3.gs
 Start 14213
 GI none
 Exons 14213..14374, 17226..17663

End 17663
 Method GENSCAN
 End 17663
 Score .73

Seq. No. 1744
 Gene No. 3573
 Start 14111
 Name OJ990803_09.9B05.C2.o3.tm
 Start 14213
 GI none
 Exons 14213..14377, 14214..14375, 14222..14389

Seq. ID OJ990803_09.9B05.C2
 Strand -
 End 17663
 Method TBLASTX:Maize
 End 14389
 Score 219

Seq. No. 1744
 Gene No. 3573
 Start 14111
 Name OJ990803_09.9B05.C2.o4.tc
 Start 14231
 GI none
 Exons 14231..14395, 14232..14399

Seq. ID OJ990803_09.9B05.C2
 Strand -
 End 17663
 Method TBLASTX:Cress
 End 14399
 Score 151

Seq. No. 1744
 Gene No. 3573
 Start 14111
 Name OJ990803_09.9B05.C2.o3.np
 Start 14240
 GI 2811014
 Exons 14240..14374, 17226..17363

Seq. ID OJ990803_09.9B05.C2
 Strand -
 End 17663
 Method AAT/NAP
 End 17363
 Score 142

GI Descrip. DYNEIN LIGHT CHAIN LC6, FLAGELLAR OUTER ARM
 gi|2208914|dbj|BAA20525| (AB004830) outer arm dynein LC6
 [Anthocidaris crassispina]

Seq. No. 1745
 Gene No. 3574
 Start 1386
 Name OJ990803_09.9B05.C3.o1.np
 Start 1386
 GI 1946331
 Exons 1386..1498

Seq. ID OJ990803_09.9B05.C3
 Strand -
 End 1498
 Method AAT/NAP
 End 1498
 Score 94

GI Descrip. (U69155) prohibitin [Arabidopsis thaliana] gi|4097692 (U66593)
 prohibitin 3 [Arabidopsis thaliana]

Seq. No. 1746
 Gene No. 3575
 Start 1060
 Name OJ990803_09.9B05.C4.o2.gs
 Start 1060
 GI none
 Exons 1060..1128, 2124..2494, 2512..2791, 2822..2930, 3043..3113,
 3215..3781, 3859..4104

Seq. ID OJ990803_09.9B05.C4
 Strand +
 End 4205
 Method GENSCAN
 End 4104
 Score .95

Seq. No. 1746
 Gene No. 3575
 Start 1060
 Name OJ990803_09.9B05.C4.o2.np
 Start 2277

Seq. ID OJ990803_09.9B05.C4
 Strand +
 End 4205
 Method AAT/NAP
 End 4032

GI 5454204 Score 699
Exons 2277..2586, 2614..2800, 2856..2930, 3043..3137, 3215..3773, 3845..4032

GI Descrip. (AC005698) T3P18.18 [Arabidopsis thaliana]

Seq. No.	1746	Seq. ID	OJ990803_09.9B05.C4
Gene No.	3575	Strand	+
Start	1060	End	4205
Name	OJ990803_09.9B05.C4.o1.gp	Method	AAT/GAP
Start	3648	End	4205
GI	3761937	Score	867
Exons	3648..3781, 3859..4205		

Seq. No.	1746	Seq. ID	OJ990803_09.9B05.C4
Gene No.	3576	Strand	+
Start	7746	End	14583
Name	OJ990803_09.9B05.C4.o4.gs	Method	GENSCAN
Start	7746	End	14583
GI	none	Score	.73
Exons	7746..7877, 10668..10736, 12071..13208, 13308..13670, 14468..14583		

Seq. No.	1746	Seq. ID	OJ990803_09.9B05.C4
Gene No.	3577	Strand	+
Start	15847	End	16101
Name	OJ990803_09.9B05.C4.o2.gp	Method	AAT/GAP
Start	15847	End	16101
GI	2797034	Score	366
Exons	15847..16101		

Seq. No.	1746	Seq. ID	OJ990803_09.9B05.C4
Gene No.	3578	Strand	+
Start	26520	End	41753
Name	OJ990803_09.9B05.C4.o7.gs	Method	GENSCAN
Start	26520	End	32704
GI	none	Score	.45
Exons	26520..26661, 26733..26767, 27542..27758, 28101..28179, 28260..28354, 29058..29215, 30839..30885, 31436..31508, 32540..32704		

Seq. No.	1746	Seq. ID	OJ990803_09.9B05.C4
Gene No.	3578	Strand	+
Start	26520	End	41753
Name	OJ990803_09.9B05.C4.o5.np	Method	AAT/NAP
Start	30221	End	33543
GI	6721512	Score	70
Exons	30221..30264, 32121..32245, 32966..33010, 33416..33543		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	1746	Seq. ID	OJ990803_09.9B05.C4
Gene No.	3578	Strand	+
Start	26520	End	41753
Name	OJ990803_09.9B05.C4.o8.gs	Method	GENSCAN
Start	33392	End	41654
GI	none	Score	.56
Exons	33392..33614, 33711..33902, 35029..35184, 35713..36006, 36307..36476, 36742..36808, 37088..37225, 38763..38871,		

39988..40174, 40267..40365, 40466..40524, 41381..41486,
41598..41654

Seq. No.	1746	Seq. ID	OJ990803_09.9B05.C4
Gene No.	3578	Strand	+
Start	26520	End	41753
Name	OJ990803_09.9B05.C4.o6.np	Method	AAT/NAP
Start	33461	End	41753
GI	5631308	Score	1035
Exons	33461..33614, 33711..33902, 35029..35184, 35710..36006, 36259..36374, 36414..36476, 36562..36636, 36742..36846, 37120..37383, 37827..38065, 38155..38505, 39740..39890, 39988..40174, 40267..40365, 40466..40524, 41381..41486, 41598..41753		

GI Descrip. (AB030279) phosphatidylinositolglycan class N [Mus musculus]

Seq. No.	1746	Seq. ID	OJ990803_09.9B05.C4
Gene No.	3579	Strand	-
Start	1	End	319
Name	OJ990803_09.9B05.C4.o1.np	Method	AAT/NAP
Start	1	End	316
GI	1946329	Score	352
Exons	1..316		

GI Descrip. (U69154) prohibitin [Nicotiana tabacum]

Seq. No.	1746	Seq. ID	OJ990803_09.9B05.C4
Gene No.	3579	Strand	-
Start	1	End	319
Name	OJ990803_09.9B05.C4.o1.gs	Method	GENSCAN
Start	40	End	319
GI	none	Score	.85
Exons	40..319		

Seq. No.	1746	Seq. ID	OJ990803_09.9B05.C4
Gene No.	3580	Strand	-
Start	17782	End	20347
Name	OJ990803_09.9B05.C4.o3.gp	Method	AAT/GAP
Start	17518	End	18358
GI	27115_1.R1084	Score	1642
Exons	17518..18358		
GI Descrip.	'4678321/emb CAB41132.1 2.0e-36 (AL049658) putative protein [Arabidopsis thaliana]'		

Seq. No.	1746	Seq. ID	OJ990803_09.9B05.C4
Gene No.	3580	Strand	-
Start	17782	End	20347
Name	OJ990803_09.9B05.C4.o5.gs	Method	GENSCAN
Start	17782	End	20347
GI	none	Score	.44
Exons	17782..18731, 19098..19164, 19286..19429, 19638..19828, 20341..20347		

Seq. No.	1746	Seq. ID	OJ990803_09.9B05.C4
Gene No.	3580	Strand	-
Start	17782	End	20347
Name	OJ990803_09.9B05.C4.o3.np	Method	AAT/NAP
Start	17785	End	19363

GI 4678321 Score 365
 Exons 17785..18039, 18070..18584, 19098..19161, 19286..19363
 GI Descrip. (AL049658) putative protein [Arabidopsis thaliana]

Seq. No. 1746 Seq. ID OJ990803_09.9B05.C4
 Gene No. 3581 Strand -
 Start 22391 End 26271
 Name OJ990803_09.9B05.C4.o3.tc Method TBLASTX:Cress
 Start 7 End 220
 GI none Score 81
 Exons 7..60, 8..94, 83..220, 96..218

Seq. No. 1746 Seq. ID OJ990803_09.9B05.C4
 Gene No. 3581 Strand -
 Start 22391 End 26271
 Name OJ990803_09.9B05.C4.o7.tm Method TBLASTX:Maize
 Start 7 End 343
 GI none Score 109
 Exons 7..60, 8..94, 29..94, 30..95, 83..343, 96..218

Seq. No. 1746 Seq. ID OJ990803_09.9B05.C4
 Gene No. 3581 Strand -
 Start 22391 End 26271
 Name OJ990803_09.9B05.C4.o4.ts Method TBLASTX:Soybean
 Start 7 End 220
 GI none Score 91
 Exons 7..60, 8..94, 83..220, 96..218

Seq. No. 1746 Seq. ID OJ990803_09.9B05.C4
 Gene No. 3581 Strand -
 Start 22391 End 26271
 Name OJ990803_09.9B05.C4.o6.tm Method TBLASTX:Maize
 Start 2861 End 3769
 GI none Score 77
 Exons 2861..2932, 3041..3115, 3042..3116, 3212..3319, 3455..3526, 3524..3769, 3529..3762

Seq. No. 1746 Seq. ID OJ990803_09.9B05.C4
 Gene No. 3581 Strand -
 Start 22391 End 26271
 Name OJ990803_09.9B05.C4.o3.ts Method TBLASTX:Soybean
 Start 3455 End 3778
 GI none Score 93
 Exons 3455..3526, 3476..3778, 3631..3753

Seq. No. 1746 Seq. ID OJ990803_09.9B05.C4
 Gene No. 3581 Strand -
 Start 22391 End 26271
 Name OJ990803_09.9B05.C4.o4.tm Method TBLASTX:Maize
 Start 17959 End 18691
 GI none Score 249
 Exons 17959..18189, 17960..18184, 17970..18203, 18249..18329, 18256..18330, 18360..18431, 18511..18630, 18544..18651, 18584..18691

Seq. No. 1746 Seq. ID OJ990803_09.9B05.C4
 Gene No. 3581 Strand -

Start	22391	End	26271
Name	OJ990803_09.9B05.C4.o6.gs	Method	GENSCAN
Start	22391	End	26271
GI	none	Score	.48
Exons	22391..23327, 24096..24229, 24562..24616, 25164..26025, 26142..26271		

Seq. No.	1746	Seq. ID	OJ990803_09.9B05.C4
Gene No.	3581	Strand	-
Start	22391	End	26271
Name	OJ990803_09.9B05.C4.o4.np	Method	AAT/NAP
Start	22421	End	26193
GI	4490323	Score	1680
Exons	22421..23327, 25164..25717, 25808..26025, 26142..26193		
GI Descrip.	(AJ131464) nitrate transporter [Arabidopsis thaliana]		

Seq. No.	1746	Seq. ID	OJ990803_09.9B05.C4
Gene No.	3581	Strand	-
Start	22391	End	26271
Name	OJ990803_09.9B05.C4.o1.tc	Method	TBLASTX:Cress
Start	22514	End	26205
GI	none	Score	53
Exons	22514..22633, 22524..22634, 22643..22831, 22653..22829, 22862..23011, 23105..23218, 25205..25627, 25245..25625, 25661..25717, 25841..26020, 25851..25994, 26143..26205		

Seq. No.	1746	Seq. ID	OJ990803_09.9B05.C4
Gene No.	3581	Strand	-
Start	22391	End	26271
Name	OJ990803_09.9B05.C4.o1.tw	Method	TBLASTX:Wheat
Start	22514	End	22832
GI	none	Score	90
Exons	22514..22642, 22643..22831, 22644..22832		

Seq. No.	1746	Seq. ID	OJ990803_09.9B05.C4
Gene No.	3581	Strand	-
Start	22391	End	26271
Name	OJ990803_09.9B05.C4.o1.tm	Method	TBLASTX:Maize
Start	22517	End	23218
GI	none	Score	184
Exons	22517..22642, 22643..22837, 22644..22832, 22859..23011, 23105..23218, 23112..23195		

Seq. No.	1746	Seq. ID	OJ990803_09.9B05.C4
Gene No.	3581	Strand	-
Start	22391	End	26271
Name	OJ990803_09.9B05.C4.o2.ts	Method	TBLASTX:Soybean
Start	22520	End	23131
GI	none	Score	171
Exons	22520..22633, 22643..22840, 22656..22841, 22877..23011, 23105..23131		

Seq. No.	1746	Seq. ID	OJ990803_09.9B05.C4
Gene No.	3581	Strand	-
Start	22391	End	26271
Name	OJ990803_09.9B05.C4.o2.tm	Method	TBLASTX:Maize
Start	25160	End	25511

GI none
Exons 25160..25501, 25161..25511

Score 324

Seq. No. 1746
Gene No. 3581
Start 22391
Name OJ990803_09.9B05.C4.o5.ts
Start 25205
GI none
Exons 25205..25549, 25245..25550

Seq. ID OJ990803_09.9B05.C4
Strand -
End 26271
Method TBLASTX:Soybean
End 25550
Score 115

Seq. No. 1746
Gene No. 3581
Start 22391
Name OJ990803_09.9B05.C4.o1.ts
Start 25553
GI none
Exons 25553..25636, 25554..25637, 25649..25726, 25841..26026, 25851..26003, 26137..26205, 26138..26194

Seq. ID OJ990803_09.9B05.C4
Strand -
End 26271
Method TBLASTX:Soybean
End 26205
Score 68

Seq. No. 1746
Gene No. 3581
Start 22391
Name OJ990803_09.9B05.C4.o8.tm
Start 25568
GI none
Exons 25568..25627, 25661..25723, 25844..26026, 25851..26000, 26024..26071, 26140..26205

Seq. ID OJ990803_09.9B05.C4
Strand -
End 26271
Method TBLASTX:Maize
End 26205
Score 100

Seq. No. 1746
Gene No. 3582
Start 33452
Name OJ990803_09.9B05.C4.o2.tc
Start 33452
GI none
Exons 33452..33613, 33496..33627, 33703..33777, 33710..33808

Seq. ID OJ990803_09.9B05.C4
Strand -
End 33808
Method TBLASTX:Cress
End 33808
Score 248

Seq. No. 1746
Gene No. 3583
Start 37206
Name OJ990803_09.9B05.C4.o5.tm
Start 37206
GI none
Exons 37206..37244, 37215..37412, 37228..37413, 37231..37410, 37784..38074, 37785..38075, 37835..38077, 37840..38076

Seq. ID OJ990803_09.9B05.C4
Strand -
End 38077
Method TBLASTX:Maize
End 38077
Score 215

Seq. No. 1746
Gene No. 3584
Start 40097
Name OJ990803_09.9B05.C4.o6.ts
Start 40097
GI none
Exons 40097..40171, 40266..40364, 40270..40365, 40460..40489

Seq. ID OJ990803_09.9B05.C4
Strand -
End 40489
Method TBLASTX:Soybean
End 40489
Score 65

Seq. No. 1746
Gene No. 3585
Start 41361

Seq. ID OJ990803_09.9B05.C4
Strand -
End 41807

Name	OJ990803_09.9B05.C4.o3.tm	Method	TBLASTX:Maize
Start	41361	End	41807
GI	none	Score	168
Exons	41361..41474, 41378..41488, 41378..41488, 41586..41807, 41597..41761, 41604..41807		
Seq. No.	1747	Seq. ID	OJ990803_09.9B05.C5
Gene No.	3586	Strand	+
Start	1	End	173
Name	OJ990803_09.9B05.C5.o1.gp	Method	AAT/GAP
Start	1	End	173
GI	6674_1.R1084	Score	322
Exons	1..173		
GI Descrip.	'295500/gb L14444 WHTHSP169C 4.0e-19 Triticum aestivum heat shock protein 16.9C (hsp16.9C) mRNA, 3'' end'		
Seq. No.	1747	Seq. ID	OJ990803_09.9B05.C5
Gene No.	3587	Strand	-
Start	2506	End	3624
Name	OJ990803_09.9B05.C5.o2.gs	Method	GENSCAN
Start	2506	End	3624
GI	none	Score	.44
Exons	2506..2628, 3619..3624		
Seq. No.	1748	Seq. ID	OJ990803_09.9B05.C6
Gene No.	3588	Strand	+
Start	5122	End	7870
Name	OJ990803_09.9B05.C6.o2.gs	Method	GENSCAN
Start	5122	End	7870
GI	none	Score	.46
Exons	5122..5167, 6342..6493, 6865..6984, 7112..7258, 7769..7870		
Seq. No.	1748	Seq. ID	OJ990803_09.9B05.C6
Gene No.	3588	Strand	+
Start	5122	End	7870
Name	OJ990803_09.9B05.C6.o1.gp	Method	AAT/GAP
Start	6695	End	7308
GI	none	Score	1221
Exons	6695..7308		
Seq. No.	1748	Seq. ID	OJ990803_09.9B05.C6
Gene No.	3589	Strand	+
Start	20661	End	23995
Name	OJ990803_09.9B05.C6.o5.gs	Method	GENSCAN
Start	20661	End	23995
GI	none	Score	.91
Exons	20661..21053, 21379..21575, 21658..21775, 22409..22525, 23382..23438, 23862..23995		
Seq. No.	1748	Seq. ID	OJ990803_09.9B05.C6
Gene No.	3590	Strand	-
Start	77	End	3539
Name	OJ990803_09.9B05.C6.o1.np	Method	AAT/NAP
Start	77	End	1910
GI	6907106	Score	280
Exons	77..365, 1881..1910		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	1748	Seq. ID	OJ990803_09.9B05.C6
Gene No.	3590	Strand	-
Start	77	End	3539
Name	OJ990803_09.9B05.C6.o1.gs	Method	GENSCAN
Start	89	End	3539
GI	none	Score	.6
Exons	89..392, 3438..3539		
Seq. No.	1748	Seq. ID	OJ990803_09.9B05.C6
Gene No.	3591	Strand	-
Start	8473	End	11648
Name	OJ990803_09.9B05.C6.o3.gs	Method	GENSCAN
Start	8473	End	11648
GI	none	Score	.61
Exons	8473..8515, 9508..9593, 9891..9927, 10844..10949, 11279..11648		
Seq. No.	1748	Seq. ID	OJ990803_09.9B05.C6
Gene No.	3592	Strand	-
Start	13510	End	17894
Name	OJ990803_09.9B05.C6.o2.gp	Method	AAT/GAP
Start	13082	End	13583
GI	none	Score	853
Exons	13082..13583		
Seq. No.	1748	Seq. ID	OJ990803_09.9B05.C6
Gene No.	3592	Strand	-
Start	13510	End	17894
Name	OJ990803_09.9B05.C6.o4.gs	Method	GENSCAN
Start	13510	End	17490
GI	none	Score	.78
Exons	13510..13541, 13734..13915, 14705..14890, 15076..15231, 15317..15540, 16648..16724, 17035..17110, 17341..17490		
Seq. No.	1748	Seq. ID	OJ990803_09.9B05.C6
Gene No.	3592	Strand	-
Start	13510	End	17894
Name	OJ990803_09.9B05.C6.o2.hp	Method	AAT/NAP
Start	13522	End	17894
GI	1065484	Score	142
Exons	13522..13586, 13734..13921, 14705..14890, 15076..15176, 17867..17894		
GI Descrip.	(U40415) similar to S. cerevisiae LAG1 (SP:P38703) [Caenorhabditis elegans]		
Seq. No.	1748	Seq. ID	OJ990803_09.9B05.C6
Gene No.	3592	Strand	-
Start	13510	End	17894
Name	OJ990803_09.9B05.C6.o2.tm	Method	TBLASTX:Maize
Start	13736	End	13885
GI	none	Score	230
Exons	13736..13885, 13736..13885		
Seq. No.	1748	Seq. ID	OJ990803_09.9B05.C6
Gene No.	3592	Strand	-
Start	13510	End	17894

Name	OJ990803_09.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	14701	End	17448
GI	none	Score	243
Exons	14701..14889, 14705..14893, 14707..14892, 15072..15233, 15075..15233, 15314..15454, 15316..15516, 15320..15454, 17341..17448		

Seq. No.	1748	Seq. ID	OJ990803_09.9B05.C6
Gene No.	3592	Strand	-
Start	13510	End	17894
Name	OJ990803_09.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	14725	End	17448
GI	none	Score	110
Exons	14725..14892, 14780..14893, 15064..15234, 15075..15227, 15308..15454, 15314..15454, 15315..15479, 15316..15516, 17341..17448		

Seq. No.	1748	Seq. ID	OJ990803_09.9B05.C6
Gene No.	3592	Strand	-
Start	13510	End	17894
Name	OJ990803_09.9B05.C6.o3.gp	Method	AAT/GAP
Start	15186	End	17586
GI	none	Score	904
Exons	15186..15231, 15316..15540, 17341..17586		

Seq. No.	1748	Seq. ID	OJ990803_09.9B05.C6
Gene No.	3592	Strand	-
Start	13510	End	17894
Name	OJ990803_09.9B05.C6.o1.tc	Method	TBLASTX:Cress
Start	15332	End	17448
GI	none	Score	160
Exons	15332..15454, 15332..15454, 15334..15486, 17341..17448		

Seq. No.	1749	Seq. ID	OJ990903_01.9B08.C1
Gene No.	3593	Strand	+
Start	324	End	359
Name	OJ990903_01.9B08.C1.o1.gs	Method	GENSCAN
Start	324	End	359
GI	none	Score	.63
Exons	324..359		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3594	Strand	+
Start	16	End	4261
Name	OJ990903_01.9B08.C3.o1.gp	Method	AAT/GAP
Start	16	End	4165
GI	1074_1.R1084	Score	2841
Exons	16..231, 1271..1378, 1453..1645, 1731..1989, 2071..2127, 2353..2400, 2491..2577, 2663..2720, 2811..2878, 2986..3081, 3164..3211, 3578..3616, 3702..3788, 3887..4165		

GI Descrip. '1076791/pir||S49818 0.0e+00 calcium-binding protein - maize
>gi_2119370_pir_S58170 Calreticulin precursor - maize
>gi_577612_emb_CAA86728_(Z46772) calcium-binding protein [Zea
mays] >gi_927572_emb_CAA61939_(X89813) Calreticulin precursor
[Zea mays] >gi_1587033_prf_2205314A calreticulin [Zea mays]'

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
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Gene No.	3594	Strand	+
Start	16	End	4261
Name	OJ990903_01.9B08.C3.o1.gs	Method	GENSCAN
Start	117	End	4261
GI	none	Score	.93
Exons	117..231, 1271..1378, 1453..1645, 1731..1989, 2071..2127, 2353..2400, 2491..2577, 2663..2720, 2811..2878, 2986..3081, 3164..3211, 3578..3616, 3702..3788, 4196..4261		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3594	Strand	+
Start	16	End	4261
Name	OJ990903_01.9B08.C3.o1.np	Method	AAT/NAP
Start	117	End	3797
GI	6682833	Score	1835
Exons	117..231, 1271..1378, 1453..1645, 1731..1989, 2071..2127, 2353..2400, 2491..2577, 2663..2720, 2811..2878, 2986..3081, 3164..3211, 3578..3616, 3702..3797		
GI Descrip.	(AB021259) calcium-binding protein [Oryza sativa]		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3595	Strand	+
Start	4457	End	5762
Name	OJ990903_01.9B08.C3.o2.np	Method	AAT/NAP
Start	4457	End	5762
GI	6815099	Score	81
Exons	4457..4483, 5631..5762		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3596	Strand	+
Start	15382	End	20815
Name	OJ990903_01.9B08.C3.o4.gs	Method	GENSCAN
Start	15382	End	20815
GI	none	Score	.5
Exons	15382..15518, 15591..15679, 17708..17859, 19182..19365, 19747..19861, 19927..19984, 20435..20815		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3596	Strand	+
Start	15382	End	20815
Name	OJ990903_01.9B08.C3.o6.np	Method	AAT/NAP
Start	19011	End	19415
GI	2462640	Score	512
Exons	19011..19415		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3597	Strand	+
Start	29493	End	32516
Name	OJ990903_01.9B08.C3.o6.gs	Method	GENSCAN
Start	29493	End	32516
GI	none	Score	.57
Exons	29493..29495, 31577..31840, 31871..32046, 32411..32516		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3598	Strand	+

Start	34993	End	40129
Name	OJ990903_01.9B08.C3.o10.np	Method	AAT/NAP
Start	34993	End	40129
GI	5091513	Score	1734
Exons	34993..35016, 35957..36758, 37528..38850, 39546..40129		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3599	Strand	+
Start	46997	End	47092
Name	OJ990903_01.9B08.C3.o4.gp	Method	AAT/GAP
Start	46997	End	47092
GI	uC-osflcyp022c06b2	Score	141
Exons	46997..47092		
GI Descrip.	'5042437/gb AC007789.1 AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3600	Strand	-
Start	6934	End	8954
Name	OJ990903_01.9B08.C3.o2.gp	Method	AAT/GAP
Start	6649	End	8954
GI	76626 1.R1084	Score	2631
Exons	6649..7926, 8860..8954		
GI Descrip.	'3047085 5.0e-54 (AF058914) No definition line found [Arabidopsis thaliana]'		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3600	Strand	-
Start	6934	End	8954
Name	OJ990903_01.9B08.C3.o2.gs	Method	GENSCAN
Start	6934	End	7881
GI	none	Score	.75
Exons	6934..7881		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3600	Strand	-
Start	6934	End	8954
Name	OJ990903_01.9B08.C3.o3.np	Method	AAT/NAP
Start	6979	End	7881
GI	3150415	Score	1112
Exons	6979..7881		
GI Descrip.	(AC004165) putative protein transport protein SEC13 [Arabidopsis thaliana]		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3601	Strand	-
Start	9920	End	17576
Name	OJ990903_01.9B08.C3.o4.np	Method	AAT/NAP
Start	9920	End	15582
GI	5042447	Score	3204
Exons	9920..9974, 11221..13251, 15553..15582		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3601	Strand	-
Start	9920	End	17576

Name	OJ990903_01.9B08.C3.o5.np	Method	AAT/NAP
Start	12526	End	17576
GI	4680183	Score	122
Exons	12526..12799, 17516..17576		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3602	Strand	-
Start	18950	End	28424
Name	OJ990903_01.9B08.C3.o8.np	Method	AAT/NAP
Start	18950	End	25993
GI	6063557	Score	267
Exons	18950..18972, 22260..22412, 22661..22830, 24730..24828, 25971..25993		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3602	Strand	-
Start	18950	End	28424
Name	OJ990903_01.9B08.C3.o5.gs	Method	GENSCAN
Start	21258	End	28424
GI	none	Score	.6
Exons	21258..21450, 21842..21978, 22306..22439, 22661..22816, 22821..22907, 23731..23830, 23939..24186, 24313..24410, 25042..25326, 26484..26634, 27476..28023, 28282..28424		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3602	Strand	-
Start	18950	End	28424
Name	OJ990903_01.9B08.C3.o9.np	Method	AAT/NAP
Start	23948	End	27985
GI	6899649	Score	553
Exons	23948..24146, 24293..24410, 24956..25041, 25125..25332, 26484..26698, 27476..27550, 27860..27985		
GI Descrip.	(AC012189) T15D22.8 [Arabidopsis thaliana]		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o1.tm	Method	TBLASTX:Maize
Start	1262	End	2758
GI	none	Score	219
Exons	1262..1381, 1270..1380, 1450..1644, 1451..1654, 1452..1643, 1713..1784, 1714..1989, 1727..1987, 1728..1988, 2068..2139, 2069..2113, 2365..2400, 2365..2409, 2489..2530, 2490..2531, 2532..2582, 2533..2580, 2627..2758, 2628..2732, 2629..2733, 2636..2740		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o6.tw	Method	TBLASTX:Wheat
Start	1262	End	1544
GI	none	Score	214
Exons	1262..1381, 1270..1380, 1450..1542, 1451..1522, 1451..1543, 1452..1544, 1452..1544		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o1.tc	Method	TBLASTX:Cress
Start	1269	End	3083
GI	none	Score	183
Exons	1269..1352, 1270..1380, 1451..1654, 1452..1643, 1452..1661, 1577..1657, 1713..1979, 1713..1988, 1723..1989, 1729..1989, 2068..2127, 2068..2094, 2069..2125, 2353..2400, 2466..2570, 2486..2572, 2488..2577, 2490..2573, 2527..2577, 2660..2719, 2660..2716, 2665..2718, 2809..2880, 2810..2881, 2810..2881, 2982..3032, 2983..3054, 3060..3083		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o2.ts	Method	TBLASTX:Soybean
Start	1269	End	3215
GI	none	Score	200
Exons	1269..1358, 1270..1380, 1277..1381, 1444..1527, 1451..1654, 1452..1643, 1574..1657, 1725..1988, 1727..1957, 1728..1988, 1729..1989, 1732..1992, 2068..2109, 2068..2094, 2107..2127, 2350..2400, 2486..2569, 2488..2577, 2489..2578, 2644..2676, 2659..2718, 2660..2719, 2661..2723, 2661..2720, 2666..2719, 2805..2879, 2808..2879, 2809..2880, 2810..2881, 2982..3080, 2983..3081, 3165..3215		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o5.tw	Method	TBLASTX:Wheat
Start	1911	End	3030
GI	none	Score	137
Exons	1911..1988, 1912..1989, 1957..1989, 2068..2127, 2068..2094, 2069..2128, 2070..2129, 2350..2400, 2350..2415, 2368..2415, 2486..2575, 2487..2576, 2488..2577, 2489..2578, 2659..2718, 2660..2719, 2660..2719, 2661..2720, 2662..2721, 2666..2719, 2808..2888, 2810..2881, 2982..3029, 2983..3030		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o9.tm	Method	TBLASTX:Maize
Start	2809	End	3081
GI	none	Score	133
Exons	2809..2880, 2810..2881, 2814..2900, 2966..3079, 2967..3080, 2967..3080, 2974..3081		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o1.ts	Method	TBLASTX:Soybean
Start	6974	End	7881
GI	none	Score	254
Exons	6974..7258, 6979..7377, 6982..7365, 7039..7200, 7358..7447, 7360..7446, 7437..7601, 7445..7744, 7447..7797, 7448..7777, 7492..7662, 7594..7671, 7684..7812, 7684..7707, 7747..7881,		

7772..7849

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o3.tw	Method	TBLASTX:Wheat
Start	6979	End	7707
GI	none	Score	254
Exons	6979..7305, 6980..7258, 7492..7662, 7594..7671, 7684..7707		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o2.tc	Method	TBLASTX:Cress
Start	6997	End	7881
GI	none	Score	327
Exons	6997..7074, 7039..7200, 7081..7200, 7375..7674, 7393..7743, 7394..7744, 7735..7881, 7772..7870		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o2.tm	Method	TBLASTX:Maize
Start	7081	End	7915
GI	none	Score	113
Exons	7081..7206, 7244..7381, 7245..7376, 7246..7377, 7246..7398, 7255..7326, 7372..7911, 7373..7915		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o8.tw	Method	TBLASTX:Wheat
Start	7306	End	7468
GI	none	Score	181
Exons	7306..7467, 7307..7468		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o7.tw	Method	TBLASTX:Wheat
Start	11238	End	11507
GI	none	Score	100
Exons	11238..11507, 11241..11474		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o1.tw	Method	TBLASTX:Wheat
Start	11511	End	12017
GI	none	Score	235
Exons	11511..12017, 11595..11942, 11677..11988		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o3.tm	Method	TBLASTX:Maize
Start	11590	End	11948

GI none Score 46
Exons 11590..11922, 11595..11948, 11602..11640, 11610..11945,
11680..11946

Seq. No. 1750 Seq. ID OJ990903_01.9B08.C3
Gene No. 3603 Strand -
Start 32994 End 33073
Name OJ990903_01.9B08.C3.o5.ts Method TBLASTX:Soybean
Start 11769 End 12014
GI none Score 204
Exons 11769..12014

Seq. No. 1750 Seq. ID OJ990903_01.9B08.C3
Gene No. 3603 Strand -
Start 32994 End 33073
Name OJ990903_01.9B08.C3.o6.tm Method TBLASTX:Maize
Start 11949 End 12296
GI none Score 35
Exons 11949..12296, 11956..11985, 12025..12210, 12030..12233

Seq. No. 1750 Seq. ID OJ990903_01.9B08.C3
Gene No. 3603 Strand -
Start 32994 End 33073
Name OJ990903_01.9B08.C3.o4.tw Method TBLASTX:Wheat
Start 12019 End 12323
GI none Score 224
Exons 12019..12279, 12021..12293, 12030..12323, 12233..12322

Seq. No. 1750 Seq. ID OJ990903_01.9B08.C3
Gene No. 3603 Strand -
Start 32994 End 33073
Name OJ990903_01.9B08.C3.o3.ts Method TBLASTX:Soybean
Start 12036 End 12431
GI none Score 154
Exons 12036..12290, 12037..12282, 12165..12395, 12351..12395,
12399..12431, 12400..12429

Seq. No. 1750 Seq. ID OJ990903_01.9B08.C3
Gene No. 3603 Strand -
Start 32994 End 33073
Name OJ990903_01.9B08.C3.o4.tm Method TBLASTX:Maize
Start 12351 End 12785
GI none Score 68
Exons 12351..12785, 12544..12774

Seq. No. 1750 Seq. ID OJ990903_01.9B08.C3
Gene No. 3603 Strand -
Start 32994 End 33073
Name OJ990903_01.9B08.C3.o2.tw Method TBLASTX:Wheat
Start 12372 End 12854
GI none Score 269
Exons 12372..12854, 12415..12777

Seq. No. 1750 Seq. ID OJ990903_01.9B08.C3
Gene No. 3603 Strand -
Start 32994 End 33073
Name OJ990903_01.9B08.C3.o8.tm Method TBLASTX:Maize

Start	19047	End	19983
GI	none	Score	215
Exons	19047..19427, 19526..19732, 19861..19983		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o9.tw	Method	TBLASTX:Wheat
Start	19981	End	20290
GI	none	Score	62
Exons	19981..20046, 20042..20158, 20043..20195, 20201..20290		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o11.tm	Method	TBLASTX:Maize
Start	20042	End	20353
GI	none	Score	143
Exons	20042..20173, 20043..20177, 20201..20227, 20231..20353, 20236..20352		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o10.tm	Method	TBLASTX:Maize
Start	20534	End	20862
GI	none	Score	51
Exons	20534..20593, 20576..20767, 20764..20862		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o7.tm	Method	TBLASTX:Maize
Start	23922	End	24188
GI	none	Score	174
Exons	23922..24182, 23927..24187, 23928..24188		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o6.ts	Method	TBLASTX:Soybean
Start	23948	End	24202
GI	none	Score	69
Exons	23948..24202, 23949..24107		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o12.tm	Method	TBLASTX:Maize
Start	24323	End	24481
GI	none	Score	148
Exons	24323..24436, 24326..24436, 24327..24449, 24328..24444, 24331..24453, 24443..24481		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073

Name	OJ990903_01.9B08.C3.o4.ts	Method	TBLASTX:Soybean
Start	24335	End	26654
GI	none	Score	77
Exons	24335..24409, 24348..24410, 24943..25053, 24953..25033, 25117..25176, 25125..25229, 26483..26653, 26532..26654		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o5.tm	Method	TBLASTX:Maize
Start	24943	End	26654
GI	none	Score	114
Exons	24943..25053, 24953..25042, 24955..25047, 25123..25233, 25124..25234, 25125..25235, 25126..25203, 25241..25342, 25244..25327, 25245..25331, 26483..26653, 26484..26654		

Seq. No.	1750	Seq. ID	OJ990903_01.9B08.C3
Gene No.	3603	Strand	-
Start	32994	End	33073
Name	OJ990903_01.9B08.C3.o3.gp	Method	AAT/GAP
Start	32994	End	33073
GI	38012_1.R1084	Score	94
Exons	32994..33073		
GI Descrip.	'4097947/gb U72255 OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	1751	Seq. ID	OJ990903_01.9B08.C4
Gene No.	3604	Strand	+
Start	1	End	1842
Name	OJ990903_01.9B08.C4.o1.np	Method	AAT/NAP
Start	1	End	819
GI	130582	Score	573
Exons	1..819		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi 100342 pir S04273 hypothetical protein - common tobacco gi 20045 emb CAA32025 (X13777) ORF [Nicotiana tabacum]		

Seq. No.	1751	Seq. ID	OJ990903_01.9B08.C4
Gene No.	3604	Strand	+
Start	1	End	1842
Name	OJ990903_01.9B08.C4.o1.gs	Method	GENSCAN
Start	306	End	1842
GI	none	Score	.85
Exons	306..355, 606..703, 1280..1842		

Seq. No.	1751	Seq. ID	OJ990903_01.9B08.C4
Gene No.	3605	Strand	+
Start	3108	End	13041
Name	OJ990903_01.9B08.C4.o2.gs	Method	GENSCAN
Start	3108	End	13041
GI	none	Score	.61
Exons	3108..3280, 3573..3766, 5808..6011, 6425..6690, 6773..7175, 7269..7328, 7417..8402, 8496..9138, 9671..9760, 10840..10942, 11002..11193, 12972..13041		

Seq. No.	1751	Seq. ID	OJ990903_01.9B08.C4
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Gene No. 3605 Strand +
 Start 3108 End 13041
 Name OJ990903_01.9B08.C4.o2.np Method AAT/NAP
 Start 8423 End 12239
 GI 6063554 Score 534
 Exons 8423..8559, 10461..10741, 10859..11081, 11405..11432,
 12065..12239
 GI Descrip. (AP000615) ESTs AU075609(C63344), C71850(E0464), C98611(E0464)
 correspond to a region of the predicted gene.; hypothetical
 protein [Oryza sativa]

Seq. No. 1751 Seq. ID OJ990903_01.9B08.C4
 Gene No. 3605 Strand +
 Start 3108 End 13041
 Name OJ990903_01.9B08.C4.o1.gp Method AAT/GAP
 Start 10899 End 11635
 GI 101153_1.R1084 Score 702
 Exons 10899..11081, 11405..11635
 GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa
 indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No. 1751 Seq. ID OJ990903_01.9B08.C4
 Gene No. 3605 Strand +
 Start 3108 End 13041
 Name OJ990903_01.9B08.C4.o2.gp Method AAT/GAP
 Start 11651 End 12079
 GI 2428185 Score 652
 Exons 11651..12079
 GI Descrip. 5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa
 indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804

Seq. No. 1751 Seq. ID OJ990903_01.9B08.C4
 Gene No. 3605 Strand +
 Start 3108 End 13041
 Name OJ990903_01.9B08.C4.o4.gp Method AAT/GAP
 Start 12612 End 12884
 GI 61605_1.R1084 Score 481
 Exons 12612..12884
 GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa
 indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No. 1751 Seq. ID OJ990903_01.9B08.C4
 Gene No. 3606 Strand +
 Start 19727 End 22729
 Name OJ990903_01.9B08.C4.o5.np Method AAT/NAP
 Start 19727 End 22383
 GI 479357 Score 849
 Exons 19727..19766, 19859..21385, 22107..22176, 22322..22383
 GI Descrip. hypothetical protein 612 - maize transposon MuA2
 gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]

Seq. No. 1751 Seq. ID OJ990903_01.9B08.C4
 Gene No. 3606 Strand +
 Start 19727 End 22729
 Name OJ990903_01.9B08.C4.o6.np Method AAT/NAP
 Start 19895 End 21399
 GI 6175165 Score 612

Exons 19895..21399
 GI Descrip. (AC011437) Mutator-like transposase [Arabidopsis thaliana]

Seq. No.	1751	Seq. ID	OJ990903_01.9B08.C4
Gene No.	3606	Strand	+
Start	19727	End	22729
Name	OJ990903_01.9B08.C4.o5.gs	Method	GENSCAN
Start	19933	End	22729
GI	none	Score	.66
Exons	19933..21075, 22104..22161, 22507..22556, 22601..22729		

Seq. No.	1751	Seq. ID	OJ990903_01.9B08.C4
Gene No.	3607	Strand	-
Start	13747	End	19747
Name	OJ990903_01.9B08.C4.o3.gs	Method	GENSCAN
Start	13747	End	16785
GI	none	Score	.85
Exons	13747..14184, 14268..14295, 14321..14578, 14621..15672, 15709..16008, 16069..16785		

Seq. No.	1751	Seq. ID	OJ990903_01.9B08.C4
Gene No.	3607	Strand	-
Start	13747	End	19747
Name	OJ990903_01.9B08.C4.o3.np	Method	AAT/NAP
Start	13750	End	17611
GI	4206306	Score	2920
Exons	13750..17611		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	1751	Seq. ID	OJ990903_01.9B08.C4
Gene No.	3607	Strand	-
Start	13747	End	19747
Name	OJ990903_01.9B08.C4.o4.gs	Method	GENSCAN
Start	17021	End	19747
GI	none	Score	.72
Exons	17021..17770, 17825..18250, 18306..18707, 18800..19009, 19146..19333, 19434..19661, 19687..19747		

Seq. No.	1751	Seq. ID	OJ990903_01.9B08.C4
Gene No.	3608	Strand	-
Start	21067	End	25370
Name	OJ990903_01.9B08.C4.o6.tm	Method	TBLASTX:Maize
Start	132	End	393
GI	none	Score	292
Exons	132..380, 134..388, 134..370, 142..393		

Seq. No.	1751	Seq. ID	OJ990903_01.9B08.C4
Gene No.	3608	Strand	-
Start	21067	End	25370
Name	OJ990903_01.9B08.C4.o2.tm	Method	TBLASTX:Maize
Start	406	End	813
GI	none	Score	.479
Exons	406..813, 432..809		

Seq. No.	1751	Seq. ID	OJ990903_01.9B08.C4
Gene No.	3608	Strand	-
Start	21067	End	25370

Name	OJ990903_01.9B08.C4.o2.ts	Method	TBLASTX:Soybean
Start	430	End	687
GI	none	Score	103
Exons	430..684, 431..550, 433..687		

Seq. No.	1751	Seq. ID	OJ990903_01.9B08.C4
Gene No.	3608	Strand	-
Start	21067	End	25370
Name	OJ990903_01.9B08.C4.o6.tw	Method	TBLASTX:Wheat
Start	444	End	785
GI	none	Score	102
Exons	444..554, 445..567, 586..780, 597..785		

Seq. No.	1751	Seq. ID	OJ990903_01.9B08.C4
Gene No.	3608	Strand	-
Start	21067	End	25370
Name	OJ990903_01.9B08.C4.o3.ts	Method	TBLASTX:Soybean
Start	14326	End	14700
GI	none	Score	62
Exons	14326..14550, 14333..14551, 14557..14700, 14558..14689		

Seq. No.	1751	Seq. ID	OJ990903_01.9B08.C4
Gene No.	3608	Strand	-
Start	21067	End	25370
Name	OJ990903_01.9B08.C4.o5.tm	Method	TBLASTX:Maize
Start	14341	End	14703
GI	none	Score	243
Exons	14341..14703, 14342..14605		

Seq. No.	1751	Seq. ID	OJ990903_01.9B08.C4
Gene No.	3608	Strand	-
Start	21067	End	25370
Name	OJ990903_01.9B08.C4.o4.tw	Method	TBLASTX:Wheat
Start	14473	End	14862
GI	none	Score	257
Exons	14473..14862		

Seq. No.	1751	Seq. ID	OJ990903_01.9B08.C4
Gene No.	3608	Strand	-
Start	21067	End	25370
Name	OJ990903_01.9B08.C4.o8.tm	Method	TBLASTX:Maize
Start	14703	End	14970
GI	none	Score	85
Exons	14703..14918, 14704..14970, 14705..14863		

Seq. No.	1751	Seq. ID	OJ990903_01.9B08.C4
Gene No.	3608	Strand	-
Start	21067	End	25370
Name	OJ990903_01.9B08.C4.o3.tw	Method	TBLASTX:Wheat
Start	15208	End	15601
GI	none	Score	124
Exons	15208..15600, 15209..15460, 15485..15601		

Seq. No.	1751	Seq. ID	OJ990903_01.9B08.C4
Gene No.	3608	Strand	-
Start	21067	End	25370
Name	OJ990903_01.9B08.C4.o5.tw	Method	TBLASTX:Wheat

Start 15667
 GI none
 Exons 15667..15792, 15787..16044

End 16044
 Score 156

Seq. No. 1751
 Gene No. 3608
 Start 21067
 Name OJ990903_01.9B08.C4.o1.ts
 Start 15787
 GI none
 Exons 15787..16251, 15851..15943, 16058..16201

Seq. ID OJ990903_01.9B08.C4
 Strand -
 End 25370
 Method TBLASTX:Soybean
 End 16251
 Score 56

Seq. No. 1751
 Gene No. 3608
 Start 21067
 Name OJ990903_01.9B08.C4.o4.tm
 Start 15970
 GI none
 Exons 15970..16353, 15983..16330

Seq. ID OJ990903_01.9B08.C4
 Strand -
 End 25370
 Method TBLASTX:Maize
 End 16353
 Score 224

Seq. No. 1751
 Gene No. 3608
 Start 21067
 Name OJ990903_01.9B08.C4.o1.tw
 Start 16093
 GI none
 Exons 16093..16512, 16094..16309, 16343..16510

Seq. ID OJ990903_01.9B08.C4
 Strand -
 End 25370
 Method TBLASTX:Wheat
 End 16512
 Score 129

Seq. No. 1751
 Gene No. 3608
 Start 21067
 Name OJ990903_01.9B08.C4.o3.tm
 Start 16381
 GI none
 Exons 16381..16737, 16382..16738

Seq. ID OJ990903_01.9B08.C4
 Strand -
 End 25370
 Method TBLASTX:Maize
 End 16738
 Score 240

Seq. No. 1751
 Gene No. 3608
 Start 21067
 Name OJ990903_01.9B08.C4.o2.tw
 Start 16513
 GI none
 Exons 16513..16719, 16513..16800, 16514..16801

Seq. ID OJ990903_01.9B08.C4
 Strand -
 End 25370
 Method TBLASTX:Wheat
 End 16801
 Score 116

Seq. No. 1751
 Gene No. 3608
 Start 21067
 Name OJ990903_01.9B08.C4.o7.tw
 Start 17007
 GI none
 Exons 17007..17045, 17008..17049, 17036..17227, 17037..17228, 17234..17365

Seq. ID OJ990903_01.9B08.C4
 Strand -
 End 25370
 Method TBLASTX:Wheat
 End 17365
 Score 52

Seq. No. 1751
 Gene No. 3608
 Start 21067
 Name OJ990903_01.9B08.C4.o7.tm

Seq. ID OJ990903_01.9B08.C4
 Strand -
 End 25370
 Method TBLASTX:Maize

Start 19873
 GI none
 Exons 19873..20241, 19875..20240

End 20241
 Score 275

Seq. No. 1751 Seq. ID OJ990903_01.9B08.C4
 Gene No. 3608 Strand -
 Start 21067 End 25370
 Name OJ990903_01.9B08.C4.o1.tm Method TBLASTX:Maize
 Start 20245 End 20859
 GI none Score 307
 Exons 20245..20523, 20250..20501, 20521..20580, 20599..20859,
 20652..20855

Seq. No. 1751 Seq. ID OJ990903_01.9B08.C4
 Gene No. 3608 Strand -
 Start 21067 End 25370
 Name OJ990903_01.9B08.C4.o9.tm Method TBLASTX:Maize
 Start 21021 End 21228
 GI none Score 73
 Exons 21021..21176, 21022..21228, 21024..21227

Seq. No. 1751 Seq. ID OJ990903_01.9B08.C4
 Gene No. 3608 Strand -
 Start 21067 End 25370
 Name OJ990903_01.9B08.C4.o7.np Method AAT/NAP
 Start 21067 End 25370
 GI 6498441 Score 232
 Exons 21067..21109, 22472..22858, 25322..25370
 GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the
 predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type
 retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No. 1751 Seq. ID OJ990903_01.9B08.C4
 Gene No. 3608 Strand -
 Start 21067 End 25370
 Name OJ990903_01.9B08.C4.o6.gs Method GENSCAN
 Start 24020 End 24235
 GI none Score .99
 Exons 24020..24235

Seq. No. 1752 Seq. ID OJ990903_01.9B08.C5
 Gene No. 3609 Strand +
 Start 7442 End 12811
 Name OJ990903_01.9B08.C5.o1.np Method AAT/NAP
 Start 7442 End 12811
 GI 6671176 Score 78
 Exons 7442..7588, 9712..9940, 9986..10250, 12766..12811
 GI Descrip. (AF193606) SON protein [Mus musculus]

Seq. No. 1752 Seq. ID OJ990903_01.9B08.C5
 Gene No. 3609 Strand +
 Start 7442 End 12811
 Name OJ990903_01.9B08.C5.o1.gp Method AAT/GAP
 Start 9242 End 9655
 GI none Score 771
 Exons 9242..9655

Seq. No.	1752	Seq. ID	OJ990903_01.9B08.C5
Gene No.	3610	Strand	-
Start	2229	End	8033
Name	OJ990903_01.9B08.C5.o1.gs	Method	GENSCAN
Start	2229	End	8033
GI	none	Score	.62
Exons	2229..2300, 3307..3435, 5211..5335, 6482..6602, 6677..6852, 7501..7661, 7705..8033		

Seq. No.	1752	Seq. ID	OJ990903_01.9B08.C5
Gene No.	3611	Strand	-
Start	9621	End	10771
Name	OJ990903_01.9B08.C5.o2.tm	Method	TBLASTX:Maize
Start	3324	End	5340
GI	none	Score	102
Exons	3324..3464, 3325..3471, 3326..3475, 3561..3695, 3561..3695, 3562..3696, 5210..5335, 5211..5336, 5211..5336, 5266..5340		

Seq. No.	1752	Seq. ID	OJ990903_01.9B08.C5
Gene No.	3611	Strand	-
Start	9621	End	10771
Name	OJ990903_01.9B08.C5.o2.gs	Method	GENSCAN
Start	9621	End	10706
GI	none	Score	.95
Exons	9621..10706		

Seq. No.	1752	Seq. ID	OJ990903_01.9B08.C5
Gene No.	3611	Strand	-
Start	9621	End	10771
Name	OJ990903_01.9B08.C5.o1.tm	Method	TBLASTX:Maize
Start	10143	End	10724
GI	none	Score	348
Exons	10143..10445, 10147..10446, 10440..10535, 10536..10622, 10555..10644, 10685..10723, 10689..10724		

Seq. No.	1752	Seq. ID	OJ990903_01.9B08.C5
Gene No.	3611	Strand	-
Start	9621	End	10771
Name	OJ990903_01.9B08.C5.o2.gp	Method	AAT/GAP
Start	10169	End	10771
GI	none	Score	1162
Exons	10169..10771		

Seq. No.	1752	Seq. ID	OJ990903_01.9B08.C5
Gene No.	3611	Strand	-
Start	9621	End	10771
Name	OJ990903_01.9B08.C5.o1.tw	Method	TBLASTX:Wheat
Start	10212	End	10625
GI	none	Score	105
Exons	10212..10625, 10222..10464		

Seq. No.	1753	Seq. ID	OJ990903_01.9B08.C6
Gene No.	3612	Strand	+
Start	1	End	1018
Name	OJ990903_01.9B08.C6.o1.np	Method	AAT/NAP
Start	1	End	1018
GI	4309729	Score	49

Exons 1..25, 527..594, 699..738, 988..1018
 GI Descrip. (AC006439) putative GATA-type zinc finger transcription factor
 [Arabidopsis thaliana]

Seq. No.	1753	Seq. ID	OJ990903_01.9B08.C6
Gene No.	3612	Strand	+
Start	1	End	1018
Name	OJ990903_01.9B08.C6.o1.gs	Method	GENSCAN
Start	323	End	762
GI	none	Score	.44
Exons	323..403, 499..594, 699..762		

Seq. No.	1754	Seq. ID	OJ990903_01.9B08.C7
Gene No.	3613	Strand	+
Start	1	End	3255
Name	OJ990903_01.9B08.C7.o1.np	Method	AAT/NAP
Start	1	End	3255
GI	6063554	Score	391
Exons	1..261, 1608..1885, 2003..2226, 2419..2446, 3081..3255		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1754	Seq. ID	OJ990903_01.9B08.C7
Gene No.	3614	Strand	-
Start	1931	End	3813
Name	OJ990903_01.9B08.C7.o2.gs	Method	GENSCAN
Start	1931	End	3813
GI	none	Score	.77
Exons	1931..2254, 2362..2514, 2950..3064, 3341..3416, 3670..3813		

Seq. No.	1755	Seq. ID	OJ990903_01.9B08.C8
Gene No.	3615	Strand	-
Start	1	End	596
Name	OJ990903_01.9B08.C8.o1.np	Method	AAT/NAP
Start	1	End	564
GI	6721559	Score	207
Exons	1..81, 111..564		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi 6815084 dbj BAA90370.1 (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	1755	Seq. ID	OJ990903_01.9B08.C8
Gene No.	3615	Strand	-
Start	1	End	596
Name	OJ990903_01.9B08.C8.o1.gs	Method	GENSCAN
Start	397	End	596
GI	none	Score	.97
Exons	397..596		

Seq. No.	1756	Seq. ID	OJ990903_01.9B08.C10
Gene No.	3616	Strand	-
Start	1500	End	1561
Name	OJ990903_01.9B08.C10.o1.gp	Method	AAT/GAP
Start	1500	End	1561
GI	LIB3477-003-P1-K1-E9	Score	89
Exons	1500..1561		

GI Descrip. '2498586/sp|Q40638|MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY
S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza
sativa]'

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3617	Strand	-
Start	6906	End	15659
Name	OJ990903_01.9B08.C11.o2.gs	Method	GENSCAN
Start	6906	End	12311
GI	none	Score	.8
Exons	6906..7065, 7917..8009, 9589..9951, 9996..10087, 10130..10303, 10693..10800, 11247..12311		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3617	Strand	-
Start	6906	End	15659
Name	OJ990903_01.9B08.C11.o1.np	Method	AAT/NAP
Start	11112	End	15659
GI	4680179	Score	7550
Exons	11112..15659		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-
Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o6.tw	Method	TBLASTX:Wheat
Start	11157	End	11489
GI	none	Score	63
Exons	11157..11489, 11221..11397, 11382..11462		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-
Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o7.tm	Method	TBLASTX:Maize
Start	11169	End	11402
GI	none	Score	80
Exons	11169..11402, 11290..11394		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-
Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o1.tm	Method	TBLASTX:Maize
Start	11409	End	11866
GI	none	Score	290
Exons	11409..11864, 11413..11865, 11726..11866		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-
Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o1.tw	Method	TBLASTX:Wheat
Start	11490	End	12116
GI	none	Score	348
Exons	11490..12116, 11491..12114		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-
Start	15909	End	16874

Name	OJ990903_01.9B08.C11.o3.tm	Method	TBLASTX:Maize
Start	11868	End	12158
GI	none	Score	156
Exons	11868..12143, 11868..12158, 11869..12147		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-
Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o2.ts	Method	TBLASTX:Soybean
Start	12075	End	12335
GI	none	Score	146
Exons	12075..12335, 12076..12330		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-
Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o3.tw	Method	TBLASTX:Wheat
Start	12123	End	12602
GI	none	Score	238
Exons	12123..12602, 12124..12378, 12233..12379, 12243..12410, 12430..12531		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-
Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o6.tm	Method	TBLASTX:Maize
Start	12159	End	12473
GI	none	Score	109
Exons	12159..12473, 12160..12363, 12171..12392		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-
Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o2.tw	Method	TBLASTX:Wheat
Start	12606	End	13114
GI	none	Score	238
Exons	12606..12980, 12697..12960, 12959..13114, 12966..13082		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-
Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o2.tm	Method	TBLASTX:Maize
Start	12685	End	13042
GI	none	Score	183
Exons	12685..12882, 12690..12983, 12697..12960, 12959..13042, 12966..13040		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-
Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o4.tm	Method	TBLASTX:Maize
Start	13079	End	13561
GI	none	Score	43
Exons	13079..13414, 13122..13172, 13197..13328, 13400..13561		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-

Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o5.tw	Method	TBLASTX:Wheat
Start	13115	End	13417
GI	none	Score	225
Exons	13115..13417, 13116..13385, 13315..13416		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-
Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o1.ts	Method	TBLASTX:Soybean
Start	13130	End	13525
GI	none	Score	159
Exons	13130..13489, 13131..13385, 13409..13489, 13481..13525, 13493..13525		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-
Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o4.tw	Method	TBLASTX:Wheat
Start	13466	End	13934
GI	none	Score	203
Exons	13466..13564, 13551..13934, 13576..13830		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-
Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o5.tm	Method	TBLASTX:Maize
Start	13633	End	13922
GI	none	Score	166
Exons	13633..13824, 13635..13922		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-
Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o8.tw	Method	TBLASTX:Wheat
Start	14097	End	14513
GI	none	Score	96
Exons	14097..14279, 14098..14253, 14319..14513, 14365..14496, 14367..14510		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-
Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o8.tm	Method	TBLASTX:Maize
Start	14856	End	15152
GI	none	Score	122
Exons	14856..15152, 14868..15152, 14965..15135		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-
Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o7.tw	Method	TBLASTX:Wheat
Start	15033	End	15392
GI	none	Score	100
Exons	15033..15392, 15034..15267, 15292..15366		

Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
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Gene No.	3618	Strand	-
Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o4.gs	Method	GENSCAN
Start	15909	End	16874
GI	none	Score	.61
Exons	15909..16874		
Seq. No.	1757	Seq. ID	OJ990903_01.9B08.C11
Gene No.	3618	Strand	-
Start	15909	End	16874
Name	OJ990903_01.9B08.C11.o2.np	Method	AAT/NAP
Start	15912	End	16808
GI	5042448	Score	1345
Exons	15912..16207, 16247..16808		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	1758	Seq. ID	OJ990823_04.9B09.C2
Gene No.	3619	Strand	+
Start	3878	End	5204
Name	OJ990823_04.9B09.C2.o1.gp	Method	AAT/GAP
Start	3878	End	4362
GI	uC-osflcyp032e11b1	Score	954
Exons	3878..4362		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:tl7804'		
Seq. No.	1758	Seq. ID	OJ990823_04.9B09.C2
Gene No.	3619	Strand	+
Start	3878	End	5204
Name	OJ990823_04.9B09.C2.o2.np	Method	AAT/NAP
Start	3942	End	5204
GI	4467158	Score	373
Exons	3942..4591, 4643..4759, 4898..5204		
GI Descrip.	(AL035540) putative protein [Arabidopsis thaliana]		
Seq. No.	1758	Seq. ID	OJ990823_04.9B09.C2
Gene No.	3620	Strand	-
Start	1	End	1209
Name	OJ990823_04.9B09.C2.o1.np	Method	AAT/NAP
Start	1	End	1209
GI	5852182	Score	56
Exons	1..68, 1183..1209		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	1759	Seq. ID	OJ990823_04.9B09.C4
Gene No.	3621	Strand	+
Start	405	End	839
Name	OJ990823_04.9B09.C4.o1.np	Method	AAT/NAP
Start	405	End	839
GI	4680185	Score	477
Exons	405..839		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	1759	Seq. ID	OJ990823_04.9B09.C4
Gene No.	3622	Strand	-
Start	442	End	745

Name	OJ990823_04.9B09.C4.o1.gs	Method	GENSCAN
Start	442	End	745
GI	none	Score	.97
Exons	442..483, 534..745		
Seq. No.	1760	Seq. ID	OJ990823_04.9B09.C5
Gene No.	3623	Strand	-
Start	553	End	3394
Name	OJ990823_04.9B09.C5.o1.gs	Method	GENSCAN
Start	553	End	1908
GI	none	Score	.53
Exons	553..587, 1063..1217, 1778..1908		
Seq. No.	1760	Seq. ID	OJ990823_04.9B09.C5
Gene No.	3623	Strand	-
Start	553	End	3394
Name	OJ990823_04.9B09.C5.o1.np	Method	AAT/NAP
Start	699	End	3394
GI	3121731	Score	62
Exons	699..736, 3055..3168, 3268..3394		
GI Descrip.	ACONITATE HYDRATASE, CYTOPLASMIC (CITRATE HYDRO-LYASE) (ACONITASE) gi 2145473 emb CAA65735 (X97012) aconitate hydratase [Solanum tuberosum]		
Seq. No.	1761	Seq. ID	OJ990823_04.9B09.C7
Gene No.	3624	Strand	+
Start	164	End	1439
Name	OJ990823_04.9B09.C7.o1.gs	Method	GENSCAN
Start	164	End	1439
GI	none	Score	.57
Exons	164..326, 911..1024, 1354..1439		
Seq. No.	1761	Seq. ID	OJ990823_04.9B09.C7
Gene No.	3625	Strand	+
Start	1971	End	5823
Name	OJ990823_04.9B09.C7.o2.gs	Method	GENSCAN
Start	1971	End	5823
GI	none	Score	.65
Exons	1971..2117, 5692..5823		
Seq. No.	1761	Seq. ID	OJ990823_04.9B09.C7
Gene No.	3626	Strand	-
Start	42	End	808
Name	OJ990823_04.9B09.C7.o1.np	Method	AAT/NAP
Start	42	End	808
GI	4680183	Score	183
Exons	42..131, 738..808		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	1761	Seq. ID	OJ990823_04.9B09.C7
Gene No.	3627	Strand	-
Start	1800	End	2895
Name	OJ990823_04.9B09.C7.o2.np	Method	AAT/NAP
Start	1800	End	2895
GI	4680186	Score	354
Exons	1800..2001, 2838..2895		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	1762	Seq. ID	OJ990823_04.9B09.C8
Gene No.	3628	Strand	-
Start	1587	End	7596
Name	OJ990823_04.9B09.C8.o1.gs	Method	GENSCAN
Start	1587	End	7596
GI	none	Score	.56
Exons	1587..1754, 1847..2268, 2836..2924, 3353..3419, 3646..4743, 5119..5503, 5786..6052, 7357..7596		

Seq. No.	1762	Seq. ID	OJ990823_04.9B09.C8
Gene No.	3628	Strand	-
Start	1587	End	7596
Name	OJ990823_04.9B09.C8.o1.np	Method	AAT/NAP
Start	3896	End	6062
GI	4325357	Score	440
Exons	3896..4541, 5336..6062		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	1762	Seq. ID	OJ990823_04.9B09.C8
Gene No.	3628	Strand	-
Start	1587	End	7596
Name	OJ990823_04.9B09.C8.o2.tw	Method	TBLASTX:Wheat
Start	4235	End	4606
GI	none	Score	56
Exons	4235..4420, 4236..4349, 4463..4606		

Seq. No.	1762	Seq. ID	OJ990823_04.9B09.C8
Gene No.	3628	Strand	-
Start	1587	End	7596
Name	OJ990823_04.9B09.C8.o1.tc	Method	TBLASTX:Cress
Start	5378	End	5686
GI	none	Score	193
Exons	5378..5686		

Seq. No.	1762	Seq. ID	OJ990823_04.9B09.C8
Gene No.	3628	Strand	-
Start	1587	End	7596
Name	OJ990823_04.9B09.C8.o1.tw	Method	TBLASTX:Wheat
Start	5405	End	5833
GI	none	Score	96
Exons	5405..5512, 5486..5701, 5726..5833		

Seq. No.	1762	Seq. ID	OJ990823_04.9B09.C8
Gene No.	3628	Strand	-
Start	1587	End	7596
Name	OJ990823_04.9B09.C8.o1.ts	Method	TBLASTX:Soybean
Start	5423	End	5833
GI	none	Score	73
Exons	5423..5701, 5729..5833		

Seq. No.	1763	Seq. ID	OJ990823_04.9B09.C9
Gene No.	3629	Strand	+
Start	865	End	1156
Name	OJ990823_04.9B09.C9.o1.gs	Method	GENSCAN

Start 865
 GI none
 Exons 865..971, 1119..1156

End 1156
 Score .48

Seq. No. 1764 Seq. ID OJ990823_04.9B09.C11
 Gene No. 3630 Strand +
 Start 1962 End 6470
 Name OJ990823_04.9B09.C11.o1.np Method AAT/NAP
 Start 1962 End 6470
 GI 4680179 Score 5360
 Exons 1962..3035, 3069..6470
 GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No. 1764 Seq. ID OJ990823_04.9B09.C11
 Gene No. 3631 Strand +
 Start 7095 End 15367
 Name OJ990823_04.9B09.C11.o2.gs Method GENSCAN
 Start 7095 End 14106
 GI none Score .51
 Exons 7095..7703, 8033..8089, 8619..8714, 11576..11709, 11836..12043, 12169..14106

Seq. No. 1764 Seq. ID OJ990823_04.9B09.C11
 Gene No. 3631 Strand +
 Start 7095 End 15367
 Name OJ990823_04.9B09.C11.o1.gp Method AAT/GAP
 Start 8546 End 8927
 GI uC-osflcyp033a04b1 Score 675
 Exons 8546..8927
 GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No. 1764 Seq. ID OJ990823_04.9B09.C11
 Gene No. 3631 Strand +
 Start 7095 End 15367
 Name OJ990823_04.9B09.C11.o3.np Method AAT/NAP
 Start 11219 End 15367
 GI 6728968 Score 622
 Exons 11219..11443, 12169..13691, 15330..15367
 GI Descrip. (AC018363) unknown protein [Arabidopsis thaliana]

Seq. No. 1764 Seq. ID OJ990823_04.9B09.C11
 Gene No. 3632 Strand -
 Start 2132 End 12405
 Name OJ990823_04.9B09.C11.o2.np Method AAT/NAP
 Start 2132 End 12405
 GI 5852180 Score 593
 Exons 2132..2162, 7216..7627, 7679..7796, 8776..8831, 12124..12405
 GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. No. 1764 Seq. ID OJ990823_04.9B09.C11
 Gene No. 3632 Strand -
 Start 2132 End 12405
 Name OJ990823_04.9B09.C11.o11.tw Method TBLASTX:Wheat
 Start 2145 End 2404
 GI none Score 211
 Exons 2145..2192, 2205..2402, 2207..2404

Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o8.tw	Method	TBLASTX:Wheat
Start	2438	End	2789
GI	none	Score	292
Exons	2438..2632, 2439..2789		

Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o8.tm	Method	TBLASTX:Maize
Start	2439	End	2744
GI	none	Score	232
Exons	2439..2744, 2453..2569		

Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o9.tm	Method	TBLASTX:Maize
Start	3060	End	3413
GI	none	Score	186
Exons	3060..3413		

Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o9.tw	Method	TBLASTX:Wheat
Start	3096	End	3533
GI	none	Score	158
Exons	3096..3305, 3152..3304, 3350..3463, 3351..3464, 3492..3533		

Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o7.tm	Method	TBLASTX:Maize
Start	3603	End	3989
GI	none	Score	260
Exons	3603..3989		

Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o4.tw	Method	TBLASTX:Wheat
Start	3629	End	4115
GI	none	Score	454
Exons	3629..4072, 3738..4115		

Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o3.tm	Method	TBLASTX:Maize
Start	4002	End	4502
GI	none	Score	166
Exons	4002..4181, 4010..4129, 4188..4502, 4328..4381, 4409..4459		

Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o1.ts	Method	TBLASTX:Soybean
Start	4056	End	4451
GI	none	Score	57
Exons	4056..4088, 4058..4087, 4092..4451, 4092..4292, 4160..4450		

Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o5.tw	Method	TBLASTX:Wheat
Start	4164	End	4466
GI	none	Score	367
Exons	4164..4466, 4166..4450, 4335..4460		

Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o3.tw	Method	TBLASTX:Wheat
Start	4467	End	4889
GI	none	Score	593
Exons	4467..4889, 4499..4888		

Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o4.ts	Method	TBLASTX:Soybean
Start	4473	End	4718
GI	none	Score	207
Exons	4473..4718, 4475..4717		

Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o2.tm	Method	TBLASTX:Maize
Start	4538	End	4901
GI	none	Score	477
Exons	4538..4888, 4539..4892, 4539..4901		

Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o2.tw	Method	TBLASTX:Wheat
Start	4892	End	5459
GI	none	Score	654
Exons	4892..5458, 4923..5459		

Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o2.tc	Method	TBLASTX:Cress
Start	5166	End	5483
GI	none	Score	90
Exons	5166..5339, 5340..5483, 5342..5482		

Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
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Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o2.ts	Method	TBLASTX:Soybean
Start	5247	End	5507
GI	none	Score	291
Exons	5247..5507, 5252..5506		
Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o4.tm	Method	TBLASTX:Maize
Start	5306	End	5597
GI	none	Score	369
Exons	5306..5593, 5307..5597		
Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o1.tw	Method	TBLASTX:Wheat
Start	5466	End	6092
GI	none	Score	700
Exons	5466..6092, 5522..5980		
Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o1.tm	Method	TBLASTX:Maize
Start	5646	End	6245
GI	none	Score	231
Exons	5646..5807, 5654..5800, 5805..6245, 5807..6229, 5973..6230		
Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3632	Strand	-
Start	2132	End	12405
Name	OJ990823_04.9B09.C11.o6.tw	Method	TBLASTX:Wheat
Start	6092	End	6425
GI	none	Score	325
Exons	6092..6361, 6093..6425, 6096..6404		
Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3633	Strand	-
Start	12469	End	13362
Name	OJ990823_04.9B09.C11.o5.tm	Method	TBLASTX:Maize
Start	12469	End	13070
GI	none	Score	212
Exons	12469..12690, 12699..13070, 12785..13054, 12808..13059		
Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3633	Strand	-
Start	12469	End	13362
Name	OJ990823_04.9B09.C11.o3.ts	Method	TBLASTX:Soybean
Start	12601	End	13290
GI	none	Score	65
Exons	12601..12696, 12808..13290, 12867..13070		
Seq. No.	1764	Seq. ID	OJ990823_04.9B09.C11
Gene No.	3633	Strand	-

Start 12469
 Name OJ990823_04.9B09.C11.o1.tc
 Start 12958
 GI none
 Exons 12958..13335, 13087..13362

End 13362
 Method TBLASTX:Cress
 End 13362
 Score 205

Seq. No. 1764
 Gene No. 3633
 Start 12469
 Name OJ990823_04.9B09.C11.o7.tw
 Start 12960
 GI none
 Exons 12960..13343, 12962..13249, 12964..13344

Seq. ID OJ990823_04.9B09.C11
 Strand
 End 13362
 Method TBLASTX:Wheat
 End 13344
 Score 106

Seq. No. 1764
 Gene No. 3634
 Start 13293
 Name OJ990823_04.9B09.C11.o5.ts
 Start 13293
 GI none
 Exons 13293..13364, 13294..13611

Seq. ID OJ990823_04.9B09.C11
 Strand
 End 13689
 Method TBLASTX:Soybean
 End 13611
 Score 206

Seq. No. 1764
 Gene No. 3634
 Start 13293
 Name OJ990823_04.9B09.C11.o6.tm
 Start 13342
 GI none
 Exons 13342..13689, 13402..13599, 13488..13601

Seq. ID OJ990823_04.9B09.C11
 Strand
 End 13689
 Method TBLASTX:Maize
 End 13689
 Score 319

Seq. No. 1764
 Gene No. 3634
 Start 13293
 Name OJ990823_04.9B09.C11.o10.tw
 Start 13345
 GI none
 Exons 13345..13614, 13365..13619, 13399..13572, 13488..13613

Seq. ID OJ990823_04.9B09.C11
 Strand
 End 13689
 Method TBLASTX:Wheat
 End 13619
 Score 228

Seq. No. 1765
 Gene No. 3635
 Start 33
 Name OJ990823_04.9B09.C12.o1.gs
 Start 33
 GI none
 Exons 33..347, 1738..1957, 2229..2252, 2445..2496, 2589..2800, 2991..3170, 3221..3650, 3811..3961, 4496..4607, 5333..5453, 6309..6639

Seq. ID OJ990823_04.9B09.C12
 Strand -
 End 6639
 Method GENSCAN
 End 6639
 Score .51

Seq. No. 1765
 Gene No. 3635
 Start 33
 Name OJ990823_04.9B09.C12.o1.np
 Start 173
 GI 5441880
 Exons 173..266, 2259..2482, 2581..2881, 3410..3718, 3814..3962, 4512..4830, 5091..5121, 5563..6571

Seq. ID OJ990823_04.9B09.C12
 Strand -
 End 6639
 Method AAT/NAP
 End 6571
 Score 1204

GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the

predicted gene.; Similar to maize transposon MuDR mudrA protein.
(AC003981) [Oryza sativa]

Seq. No.	1765	Seq. ID	OJ990823_04.9B09.C12
Gene No.	3635	Strand	-
Start	33	End	6639
Name	OJ990823_04.9B09.C12.o1.tw	Method	TBLASTX:Wheat
Start	5324	End	5711
GI	none	Score	60
Exons	5324..5521, 5401..5487, 5420..5509, 5466..5522, 5534..5710, 5537..5710, 5562..5711		

Seq. No.	1765	Seq. ID	OJ990823_04.9B09.C12
Gene No.	3635	Strand	-
Start	33	End	6639
Name	OJ990823_04.9B09.C12.o1.tm	Method	TBLASTX:Maize
Start	5420	End	6002
GI	none	Score	151
Exons	5420..5500, 5540..5830, 5544..5837, 5561..5842, 5846..6001, 5880..6002		

Seq. No.	1766	Seq. ID	OJ990823_04.9B09.C13
Gene No.	3636	Strand	+
Start	285	End	534
Name	OJ990823_04.9B09.C13.o1.gs	Method	GENSCAN
Start	285	End	534
GI	none	Score	.65
Exons	285..363, 414..534		

Seq. No.	1766	Seq. ID	OJ990823_04.9B09.C13
Gene No.	3637	Strand	-
Start	1573	End	4347
Name	OJ990823_04.9B09.C13.o2.gs	Method	GENSCAN
Start	1573	End	4347
GI	none	Score	.56
Exons	1573..1652, 2069..2261, 2710..2802, 4270..4347		

Seq. No.	1767	Seq. ID	OJ990823_04.9B09.C16
Gene No.	3638	Strand	-
Start	82	End	5724
Name	OJ990823_04.9B09.C16.o1.np	Method	AAT/NAP
Start	82	End	1227
GI	103076	Score	108
Exons	82..259, 1101..1227		
GI Descrip.	Bkm-like sex-determining region hypothetical protein CS314 - fruit fly (Drosophila melanogaster) (fragment)		

Seq. No.	1767	Seq. ID	OJ990823_04.9B09.C16
Gene No.	3638	Strand	-
Start	82	End	5724
Name	OJ990823_04.9B09.C16.o1.gs	Method	GENSCAN
Start	364	End	5709
GI	none	Score	.55
Exons	364..537, 623..721, 1118..1321, 1418..1652, 1893..2103, 2965..3046, 3308..3418, 3520..3690, 3727..4242, 4435..4759, 4775..5709		

Seq. No.	1767	Seq. ID	OJ990823_04.9B09.C16
Gene No.	3638	Strand	-
Start	82	End	5724
Name	OJ990823_04.9B09.C16.o2.np	Method	AAT/NAP
Start	1461	End	5724
GI	4680204	Score	767
Exons	1461..1664, 3237..4221, 4315..5724		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	1767	Seq. ID	OJ990823_04.9B09.C16
Gene No.	3638	Strand	-
Start	82	End	5724
Name	OJ990823_04.9B09.C16.o3.np	Method	AAT/NAP
Start	4168	End	5724
GI	4680204	Score	626
Exons	4168..4221, 4315..5724		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	1767	Seq. ID	OJ990823_04.9B09.C16
Gene No.	3639	Strand	-
Start	6958	End	11181
Name	OJ990823_04.9B09.C16.o4.tw	Method	TBLASTX:Wheat
Start	4663	End	5002
GI	none	Score	82
Exons	4663..4695, 4699..4839, 4700..4780, 4834..5001, 4853..5002		

Seq. No.	1767	Seq. ID	OJ990823_04.9B09.C16
Gene No.	3639	Strand	-
Start	6958	End	11181
Name	OJ990823_04.9B09.C16.o2.gs	Method	GENSCAN
Start	6958	End	11058
GI	none	Score	.51
Exons	6958..7147, 7366..7465, 7659..7788, 8424..8645, 8794..8958, 9279..9680, 9783..10103, 10142..10750, 10886..11058		

Seq. No.	1767	Seq. ID	OJ990823_04.9B09.C16
Gene No.	3639	Strand	-
Start	6958	End	11181
Name	OJ990823_04.9B09.C16.o1.tw	Method	TBLASTX:Wheat
Start	8454	End	9759
GI	none	Score	47
Exons	8454..8564, 8479..8514, 8529..8594, 8545..8604, 8572..8610, 8614..8691, 8616..8696, 8652..8699, 8663..8800, 8701..8730, 8737..8796, 8803..8844, 8806..8844, 8807..8848, 8808..8870, 8842..9249, 8858..9250, 9242..9757, 9276..9758, 9280..9759		

Seq. No.	1767	Seq. ID	OJ990823_04.9B09.C16
Gene No.	3639	Strand	-
Start	6958	End	11181
Name	OJ990823_04.9B09.C16.o4.np	Method	AAT/NAP
Start	8927	End	10885
GI	6742729	Score	2900
Exons	8927..10885		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	1767	Seq. ID	OJ990823_04.9B09.C16
Gene No.	3639	Strand	-

Start	6958	End	11181
Name	OJ990823_04.9B09.C16.o1.tc	Method	TBLASTX:Cress
Start	9024	End	9471
GI	none	Score	106
Exons	9024..9200, 9025..9174, 9046..9249, 9059..9250, 9212..9460, 9270..9467, 9276..9467, 9280..9471, 9331..9471		

Seq. No.	1767	Seq. ID	OJ990823_04.9B09.C16
Gene No.	3639	Strand	-
Start	6958	End	11181
Name	OJ990823_04.9B09.C16.o2.tm	Method	TBLASTX:Maize
Start	9402	End	9716
GI	none	Score	129
Exons	9402..9716, 9430..9705		

Seq. No.	1767	Seq. ID	OJ990823_04.9B09.C16
Gene No.	3639	Strand	-
Start	6958	End	11181
Name	OJ990823_04.9B09.C16.o5.np	Method	AAT/NAP
Start	9408	End	11181
GI	4558686	Score	709
Exons	9408..10540, 10940..11181		
GI Descrip.	(AC006586) putative TNP2-like transposon protein [Arabidopsis thaliana]		

Seq. No.	1767	Seq. ID	OJ990823_04.9B09.C16
Gene No.	3639	Strand	-
Start	6958	End	11181
Name	OJ990823_04.9B09.C16.o3.tw	Method	TBLASTX:Wheat
Start	9760	End	10168
GI	none	Score	75
Exons	9760..9846, 9762..9845, 9879..10097, 9919..10101, 10121..10168		

Seq. No.	1767	Seq. ID	OJ990823_04.9B09.C16
Gene No.	3639	Strand	-
Start	6958	End	11181
Name	OJ990823_04.9B09.C16.o1.tm	Method	TBLASTX:Maize
Start	10274	End	10736
GI	none	Score	105
Exons	10274..10468, 10478..10720, 10479..10736		

Seq. No.	1767	Seq. ID	OJ990823_04.9B09.C16
Gene No.	3639	Strand	-
Start	6958	End	11181
Name	OJ990823_04.9B09.C16.o2.tw	Method	TBLASTX:Wheat
Start	10308	End	10777
GI	none	Score	137
Exons	10308..10544, 10313..10537, 10512..10607, 10517..10615, 10518..10610, 10619..10723, 10623..10724, 10721..10777, 10725..10769		

Seq. No.	1767	Seq. ID	OJ990823_04.9B09.C16
Gene No.	3639	Strand	-
Start	6958	End	11181
Name	OJ990823_04.9B09.C16.o2.tc	Method	TBLASTX:Cress
Start	10565	End	10907
GI	none	Score	86

Exons 10565..10906, 10569..10712, 10761..10907

Seq. No.	1767	Seq. ID	OJ990823_04.9B09.C16
Gene No.	3639	Strand	-
Start	6958	End	11181
Name	OJ990823_04.9B09.C16.o1.ts	Method	TBLASTX:Soybean
Start	10646	End	11075
GI	none	Score	87
Exons	10646..10942, 10664..10810, 10856..10888, 10992..11075, 11000..11074		

Seq. No.	1767	Seq. ID	OJ990823_04.9B09.C16
Gene No.	3639	Strand	-
Start	6958	End	11181
Name	OJ990823_04.9B09.C16.o5.tw	Method	TBLASTX:Wheat
Start	11006	End	11181
GI	none	Score	119
Exons	11006..11176, 11007..11177, 11014..11181		

Seq. No.	1768	Seq. ID	OJ990823_06.9B03.C1
Gene No.	3640	Strand	-
Start	1	End	595
Name	OJ990823_06.9B03.C1.o1.np	Method	AAT/NAP
Start	1	End	595
GI	2286109	Score	86
Exons	1..39, 508..595		
GI Descrip.	(U78782) MADS box protein [Oryza sativa]		

Seq. No.	1768	Seq. ID	OJ990823_06.9B03.C1
Gene No.	3641	Strand	-
Start	514	End	592
Name	OJ990823_06.9B03.C1.o1.gp	Method	AAT/GAP
Start	514	End	592
GI	1033_2.R1084	Score	114
Exons	514..592		
GI Descrip.	'2286109 1.0e-142 (U78782) MADS box protein [Oryza sativa]'		

Seq. No.	1769	Seq. ID	OJ990823_06.9B03.C2
Gene No.	3642	Strand	-
Start	886	End	2891
Name	OJ990823_06.9B03.C2.o1.gs	Method	GENSCAN
Start	886	End	2891
GI	none	Score	.47
Exons	886..999, 2154..2285, 2346..2627, 2744..2891		

Seq. No.	1770	Seq. ID	OJ990823_06.9B03.C3
Gene No.	3643	Strand	+
Start	1	End	2611
Name	OJ990823_06.9B03.C3.o1.gp	Method	AAT/GAP
Start	1	End	2611
GI	1033_2.R1084	Score	1316
Exons	1..103, 1431..1472, 1782..1823, 1921..2066, 2243..2611		
GI Descrip.	'2286109 1.0e-142 (U78782) MADS box protein [Oryza sativa]'		

Seq. No.	1770	Seq. ID	OJ990823_06.9B03.C3
Gene No.	3643	Strand	+
Start	1	End	2611

Name	OJ990823_06.9B03.C3.o1.np	Method	AAT/NAP
Start	1	End	2339
GI	2286109	Score	599
Exons	1..103, 1431..1472, 1782..1823, 1921..2066, 2243..2339		
GI Descrip.	(U78782) MADS box protein [Oryza sativa]		

Seq. No.	1770	Seq. ID	OJ990823_06.9B03.C3
Gene No.	3643	Strand	+
Start	1	End	2611
Name	OJ990823_06.9B03.C3.o1.gs	Method	GENSCAN
Start	1416	End	2342
GI	none	Score	.7
Exons	1416..1472, 1782..1859, 1921..2066, 2243..2342		

Seq. No.	1771	Seq. ID	OJ990823_06.9B03.C4
Gene No.	3644	Strand	+
Start	718	End	760
Name	OJ990823_06.9B03.C4.o1.gs	Method	GENSCAN
Start	718	End	760
GI	none	Score	.94
Exons	718..760		

Seq. No.	1772	Seq. ID	OJ990823_06.9B03.C5
Gene No.	3645	Strand	-
Start	1167	End	2553
Name	OJ990823_06.9B03.C5.o1.np	Method	AAT/NAP
Start	1157	End	1661
GI	6358795	Score	165
Exons	1157..1661		
GI Descrip.	(AC010852) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	1772	Seq. ID	OJ990823_06.9B03.C5
Gene No.	3645	Strand	-
Start	1167	End	2553
Name	OJ990823_06.9B03.C5.o1.gs	Method	GENSCAN
Start	1167	End	2553
GI	none	Score	.66
Exons	1167..1751, 2378..2553		

Seq. No.	1772	Seq. ID	OJ990823_06.9B03.C5
Gene No.	3645	Strand	-
Start	1167	End	2553
Name	OJ990823_06.9B03.C5.o1.tm	Method	TBLASTX:Maize
Start	1178	End	1801
GI	none	Score	129
Exons	1178..1207, 1254..1394, 1255..1338, 1431..1511, 1549..1674, 1552..1665, 1718..1801		

Seq. No.	1772	Seq. ID	OJ990823_06.9B03.C5
Gene No.	3645	Strand	-
Start	1167	End	2553
Name	OJ990823_06.9B03.C5.o1.gp	Method	AAT/GAP
Start	1387	End	1773
GI	none	Score	652
Exons	1387..1773		

Seq. No.	1772	Seq. ID	OJ990823_06.9B03.C5
Gene No.	3645	Strand	-
Start	1167	End	2553
Name	OJ990823_06.9B03.C5.o1.tw	Method	TBLASTX:Wheat
Start	1392	End	1684
GI	none	Score	128
Exons	1392..1529, 1524..1661, 1525..1662, 1543..1677, 1632..1670, 1634..1684		

Seq. No.	1773	Seq. ID	OJ990823_06.9B03.C6
Gene No.	3646	Strand	-
Start	762	End	1433
Name	OJ990823_06.9B03.C6.o1.gs	Method	GENSCAN
Start	762	End	1433
GI	none	Score	.76
Exons	762..853, 1120..1267, 1296..1433		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3647	Strand	+
Start	1	End	7185
Name	OJ990823_06.9B03.C7.o1.np	Method	AAT/NAP
Start	1	End	2578
GI	4539658	Score	106
Exons	1..38, 607..744, 2560..2578		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3647	Strand	+
Start	1	End	7185
Name	OJ990823_06.9B03.C7.o2.np	Method	AAT/NAP
Start	1	End	3248
GI	4539658	Score	98
Exons	1..38, 607..743, 3206..3248		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3647	Strand	+
Start	1	End	7185
Name	OJ990823_06.9B03.C7.o1.gs	Method	GENSCAN
Start	1068	End	7185
GI	none	Score	.48
Exons	1068..1785, 1938..2325, 2352..3303, 3334..3460, 3566..4007, 4029..4377, 4474..5928, 6221..6354, 6372..7185		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3647	Strand	+
Start	1	End	7185
Name	OJ990823_06.9B03.C7.o3.np	Method	AAT/NAP
Start	1068	End	7149
GI	5922631	Score	6719
Exons	1068..1192, 1451..1697, 1955..2152, 2198..2769, 2812..2962, 3089..4015, 4622..7149		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu-1. (AF049110) [Oryza sativa]		

gi|6016864|dbj|BAA85207.1| (AP000570) ESTs
 C26347(C12145),AU078074(C12145) correspond to a region of the
 predicted gene.; Similar to prpol; Zea mays retrotransposon
 Cinfu1-1. (AF049110) [Oryza sativa]

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3648	Strand	-
Start	106	End	362
Name	OJ990823_06.9B03.C7.o1.gp	Method	AAT/GAP
Start	106	End	362
GI	LIB3475-004-P1-K2-A5	Score	391
Exons	106..362		
GI Descrip.	'5777612/emb AJ245900.1 OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3649	Strand	-
Start	7515	End	10435
Name	OJ990823_06.9B03.C7.o2.gs	Method	GENSCAN
Start	7515	End	10435
GI	none	Score	.87
Exons	7515..7927, 8040..8153, 8216..8405, 8480..8667, 8745..9103, 9180..9340, 9551..10435		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3649	Strand	-
Start	7515	End	10435
Name	OJ990823_06.9B03.C7.o4.np	Method	AAT/NAP
Start	7527	End	10435
GI	6691716	Score	2448
Exons	7527..7966, 8040..8153, 8303..8405, 8480..8667, 8745..8932, 9003..9103, 9180..9357, 9547..10435		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o7.tw	Method	TBLASTX:Wheat
Start	2373	End	2775
GI	none	Score	292
Exons	2373..2681, 2374..2775		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o6.tw	Method	TBLASTX:Wheat
Start	3355	End	4032
GI	none	Score	133
Exons	3355..3531, 3576..3812, 3580..3810, 3859..4032		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o1.tw	Method	TBLASTX:Wheat
Start	4032	End	4488

GI	none	Score	487
Exons	4032..4487, 4033..4488		
Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o3.ts	Method	TBLASTX:Soybean
Start	4072	End	4437
GI	none	Score	135
Exons	4072..4296, 4303..4437		
Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o2.tm	Method	TBLASTX:Maize
Start	4162	End	4518
GI	none	Score	364
Exons	4162..4518, 4203..4508		
Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o3.tw	Method	TBLASTX:Wheat
Start	4603	End	5027
GI	none	Score	434
Exons	4603..5022, 4647..5027		
Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o1.ts	Method	TBLASTX:Soybean
Start	4681	End	5082
GI	none	Score	314
Exons	4681..5082, 4698..4841, 4878..5048		
Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o3.tm	Method	TBLASTX:Maize
Start	4749	End	5193
GI	none	Score	267
Exons	4749..5003, 4750..5004, 4750..5007, 5026..5157, 5167..5193		
Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o8.tw	Method	TBLASTX:Wheat
Start	5032	End	5316
GI	none	Score	274
Exons	5032..5313, 5044..5139, 5221..5316		
Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o2.ts	Method	TBLASTX:Soybean
Start	5308	End	5696
GI	none	Score	87

Exons 5308..5412, 5316..5402, 5448..5696, 5452..5694

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o4.tw	Method	TBLASTX:Wheat
Start	5317	End	5739
GI	none	Score	409
Exons	5317..5739, 5322..5663		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o6.tm	Method	TBLASTX:Maize
Start	5371	End	5643
GI	none	Score	119
Exons	5371..5541, 5545..5643		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o10.tw	Method	TBLASTX:Wheat
Start	5755	End	6054
GI	none	Score	138
Exons	5755..5889, 5956..6054		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o1.tm	Method	TBLASTX:Maize
Start	6049	End	6414
GI	none	Score	453
Exons	6049..6357, 6058..6375, 6072..6374, 6367..6414		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o5.tw	Method	TBLASTX:Wheat
Start	6055	End	6444
GI	none	Score	408
Exons	6055..6426, 6058..6444		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o5.tm	Method	TBLASTX:Maize
Start	6516	End	6789
GI	none	Score	93
Exons	6516..6623, 6517..6615, 6606..6680, 6610..6693, 6703..6789		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o2.tw	Method	TBLASTX:Wheat
Start	6559	End	7173
GI	none	Score	365
Exons	6559..7050, 6579..6668, 6720..6848, 7042..7173		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o4.tm	Method	TBLASTX:Maize
Start	6871	End	7134
GI	none	Score	169
Exons	6871..7053, 6993..7052, 7032..7133, 7033..7134		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o9.tw	Method	TBLASTX:Wheat
Start	10025	End	10315
GI	none	Score	194
Exons	10025..10315		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o5.np	Method	AAT/NAP
Start	11271	End	12891
GI	2944088	Score	99
Exons	11271..11288, 12638..12891		
GI Descrip.	(AF050102) glutathione s-transferase [Oryza sativa]		

Seq. No.	1774	Seq. ID	OJ990823_06.9B03.C7
Gene No.	3650	Strand	-
Start	11271	End	12891
Name	OJ990823_06.9B03.C7.o3.gs	Method	GENSCAN
Start	12410	End	12769
GI	none	Score	.88
Exons	12410..12769		

Seq. No.	1775	Seq. ID	OJ990823_06.9B03.C8
Gene No.	3651	Strand	+
Start	117	End	2816
Name	OJ990823_06.9B03.C8.o1.gs	Method	GENSCAN
Start	117	End	2816
GI	none	Score	.64
Exons	117..185, 1079..1100, 1603..1803, 2728..2816		

Seq. No.	1775	Seq. ID	OJ990823_06.9B03.C8
Gene No.	3652	Strand	+
Start	10470	End	15455
Name	OJ990823_06.9B03.C8.o4.np	Method	AAT/NAP
Start	10379	End	10582
GI	4539658	Score	102
Exons	10379..10582		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	1775	Seq. ID	OJ990823_06.9B03.C8
Gene No.	3652	Strand	+
Start	10470	End	15455
Name	OJ990823_06.9B03.C8.o3.np	Method	AAT/NAP
Start	10436	End	10573

GI 4539658 Score 105
 Exons 10436..10573
 GI Descrip. (AF061282) serine carboxypeptidase-like protein [Sorghum
 bicolor]

Seq. No. 1775 Seq. ID OJ990823_06.9B03.C8
 Gene No. 3652 Strand +
 Start 10470 End 15455
 Name OJ990823_06.9B03.C8.o4.gs Method GENSCAN
 Start 10470 End 15455
 GI none Score .64
 Exons 10470..10472, 11155..11310, 11394..11509, 11609..11752,
 14899..15064, 15115..15328, 15370..15455

Seq. No. 1775 Seq. ID OJ990823_06.9B03.C8
 Gene No. 3653 Strand +
 Start 18518 End 20130
 Name OJ990823_06.9B03.C8.o6.gs Method GENSCAN
 Start 18518 End 20130
 GI none Score .4
 Exons 18518..18833, 19045..19087, 19138..19211, 20105..20130

Seq. No. 1775 Seq. ID OJ990823_06.9B03.C8
 Gene No. 3654 Strand +
 Start 23062 End 23845
 Name OJ990823_06.9B03.C8.o7.gs Method GENSCAN
 Start 23062 End 23845
 GI none Score .55
 Exons 23062..23172, 23280..23508, 23712..23845

Seq. No. 1775 Seq. ID OJ990823_06.9B03.C8
 Gene No. 3655 Strand -
 Start 2528 End 2937
 Name OJ990823_06.9B03.C8.o1.gp Method AAT/GAP
 Start 2528 End 2937
 GI none Score 765
 Exons 2528..2937

Seq. No. 1775 Seq. ID OJ990823_06.9B03.C8
 Gene No. 3656 Strand -
 Start 4130 End 5197
 Name OJ990823_06.9B03.C8.o2.gs Method GENSCAN
 Start 4130 End 5197
 GI none Score .99
 Exons 4130..5197

Seq. No. 1775 Seq. ID OJ990823_06.9B03.C8
 Gene No. 3656 Strand -
 Start 4130 End 5197
 Name OJ990823_06.9B03.C8.o1.np Method AAT/NAP
 Start 4133 End 5179
 GI 6752886 Score 1008
 Exons 4133..4810, 4840..5179
 GI Descrip. (AF220203) Ttgl-like protein [Malus domestica]

Seq. No. 1775 Seq. ID OJ990823_06.9B03.C8
 Gene No. 3657 Strand -

Start	5758	End	8867
Name	OJ990823_06.9B03.C8.o2.gp	Method	AAT/GAP
Start	5758	End	8102
GI	945_1.R1084	Score	950
Exons	5758..6045, 7837..8102		
GI Descrip.	'5107149/gb AAD39987.1 AF150080_1 5.0e-28 (AF150080) small zinc finger-like protein [Oryza sativa]'		

Seq. No.	1775	Seq. ID	OJ990823_06.9B03.C8
Gene No.	3657	Strand	-
Start	5758	End	8867
Name	OJ990823_06.9B03.C8.o3.gs	Method	GENSCAN
Start	5896	End	8867
GI	none	Score	.72
Exons	5896..6045, 7837..8019, 8442..8515, 8636..8867		

Seq. No.	1775	Seq. ID	OJ990823_06.9B03.C8
Gene No.	3657	Strand	-
Start	5758	End	8867
Name	OJ990823_06.9B03.C8.o2.np	Method	AAT/NAP
Start	5899	End	7941
GI	5107149	Score	379
Exons	5899..6045, 7837..7941		
GI Descrip.	(AF150080) small zinc finger-like protein [Oryza sativa]		

Seq. No.	1775	Seq. ID	OJ990823_06.9B03.C8
Gene No.	3658	Strand	-
Start	15800	End	19029
Name	OJ990823_06.9B03.C8.o1.tc	Method	TBLASTX:Cress
Start	4130	End	4987
GI	none	Score	71
Exons	4130..4252, 4131..4271, 4283..4780, 4286..4552, 4533..4778, 4925..4987		

Seq. No.	1775	Seq. ID	OJ990823_06.9B03.C8
Gene No.	3658	Strand	-
Start	15800	End	19029
Name	OJ990823_06.9B03.C8.o1.ts	Method	TBLASTX:Soybean
Start	4130	End	4987
GI	none	Score	75
Exons	4130..4252, 4130..4252, 4131..4253, 4242..4304, 4283..4414, 4283..4408, 4397..4465, 4406..4465, 4472..4552, 4472..4780, 4482..4778, 4925..4987		

Seq. No.	1775	Seq. ID	OJ990823_06.9B03.C8
Gene No.	3658	Strand	-
Start	15800	End	19029
Name	OJ990823_06.9B03.C8.o1.tm	Method	TBLASTX:Maize
Start	4199	End	4690
GI	none	Score	382
Exons	4199..4555, 4199..4690, 4203..4688		

Seq. No.	1775	Seq. ID	OJ990823_06.9B03.C8
Gene No.	3658	Strand	-
Start	15800	End	19029
Name	OJ990823_06.9B03.C8.o1.tw	Method	TBLASTX:Wheat
Start	4328	End	4607

GI	none	Score	61
Exons	4328..4369, 4329..4370, 4372..4554, 4373..4555, 4379..4606, 4383..4607		

Seq. No.	1775	Seq. ID	OJ990823_06.9B03.C8
Gene No.	3658	Strand	-
Start	15800	End	19029
Name	OJ990823_06.9B03.C8.o2.tm	Method	TBLASTX:Maize
Start	4922	End	5135
GI	none	Score	295
Exons	4922..5134, 4932..5135		

Seq. No.	1775	Seq. ID	OJ990823_06.9B03.C8
Gene No.	3658	Strand	-
Start	15800	End	19029
Name	OJ990823_06.9B03.C8.o4.tm	Method	TBLASTX:Maize
Start	5887	End	7936
GI	none	Score	211
Exons	5887..6051, 5897..6055, 5900..6055, 7837..7905, 7838..7936, 7844..7936		

Seq. No.	1775	Seq. ID	OJ990823_06.9B03.C8
Gene No.	3658	Strand	-
Start	15800	End	19029
Name	OJ990823_06.9B03.C8.o5.tm	Method	TBLASTX:Maize
Start	10271	End	19029
GI	none	Score	87
Exons	10271..10372, 10272..10373, 10272..10373, 10285..10374, 10358..10414, 10368..10415, 10375..10416, 10407..10439, 10413..10433, 10592..10648, 10594..10653, 10595..10654, 10646..10675, 10652..10687, 10684..10791, 10729..10785, 10731..10790, 10783..10812, 10789..10824, 10816..10887, 10817..10888, 18785..18901, 18786..18911, 18795..18914, 18796..18927, 18899..19015, 18900..19028, 18907..19029, 18907..19029		

Seq. No.	1775	Seq. ID	OJ990823_06.9B03.C8
Gene No.	3658	Strand	-
Start	15800	End	19029
Name	OJ990823_06.9B03.C8.o3.tm	Method	TBLASTX:Maize
Start	11372	End	11922
GI	none	Score	111
Exons	11372..11509, 11373..11507, 11398..11508, 11607..11636, 11658..11720, 11675..11722, 11720..11743, 11760..11780, 11782..11865, 11783..11866, 11862..11900, 11896..11922		

Seq. No.	1775	Seq. ID	OJ990823_06.9B03.C8
Gene No.	3658	Strand	-
Start	15800	End	19029
Name	OJ990823_06.9B03.C8.o5.gs	Method	GENSCAN
Start	15800	End	17215
GI	none	Score	.96
Exons	15800..15958, 16729..16799, 16957..17215		

Seq. No.	1775	Seq. ID	OJ990823_06.9B03.C8
Gene No.	3658	Strand	-
Start	15800	End	19029

Name	OJ990823_06.9B03.C8.o5.np	Method	AAT/NAP
Start	16292	End	18931
GI	4539658	Score	92
Exons	16292..16432, 18798..18931		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	1776	Seq. ID	OJ990823_06.9B03.C9
Gene No.	3659	Strand	+
Start	3149	End	3332
Name	OJ990823_06.9B03.C9.o1.gs	Method	GENSCAN
Start	3149	End	3332
GI	none	Score	.57
Exons	3149..3208, 3256..3332		

Seq. No.	1776	Seq. ID	OJ990823_06.9B03.C9
Gene No.	3660	Strand	-
Start	4367	End	15850
Name	OJ990823_06.9B03.C9.o1.np	Method	AAT/NAP
Start	4362	End	5606
GI	3522951	Score	470
Exons	4362..4482, 4543..4856, 4962..5360, 5538..5606		
GI Descrip.	(AC004411) putative RAV-like B3 domain DNA binding protein [Arabidopsis thaliana]		

Seq. No.	1776	Seq. ID	OJ990823_06.9B03.C9
Gene No.	3660	Strand	-
Start	4367	End	15850
Name	OJ990823_06.9B03.C9.o2.gs	Method	GENSCAN
Start	4367	End	15850
GI	none	Score	.59
Exons	4367..4772, 4810..5592, 5594..5725, 6031..6155, 8926..9027, 10496..10716, 10997..11120, 11290..11526, 13566..13611, 15729..15850		

Seq. No.	1776	Seq. ID	OJ990823_06.9B03.C9
Gene No.	3660	Strand	-
Start	4367	End	15850
Name	OJ990823_06.9B03.C9.o3.np	Method	AAT/NAP
Start	10474	End	10775
GI	6539588	Score	213
Exons	10474..10775		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	1776	Seq. ID	OJ990823_06.9B03.C9
Gene No.	3661	Strand	-
Start	17286	End	29262
Name	OJ990823_06.9B03.C9.o1.tc	Method	TBLASTX:Cress
Start	4995	End	5339
GI	none	Score	155
Exons	4995..5036, 5049..5246, 5050..5220, 5241..5339, 5245..5337		

Seq. No.	1776	Seq. ID	OJ990823_06.9B03.C9
Gene No.	3661	Strand	-
Start	17286	End	29262
Name	OJ990823_06.9B03.C9.o1.ts	Method	TBLASTX:Soybean
Start	5010	End	5339

GI	none	Score	180
Exons	5010..5036, 5049..5222, 5050..5220, 5232..5339, 5245..5337		

Seq. No.	1776	Seq. ID	OJ990823_06.9B03.C9
Gene No.	3661	Strand	-
Start	17286	End	29262
Name	OJ990823_06.9B03.C9.o1.tm	Method	TBLASTX:Maize
Start	5049	End	5222
GI	none	Score	123
Exons	5049..5219, 5049..5222, 5056..5220		

Seq. No.	1776	Seq. ID	OJ990823_06.9B03.C9
Gene No.	3661	Strand	-
Start	17286	End	29262
Name	OJ990823_06.9B03.C9.o1.tw	Method	TBLASTX:Wheat
Start	6278	End	6546
GI	none	Score	247
Exons	6278..6541, 6301..6546		

Seq. No.	1776	Seq. ID	OJ990823_06.9B03.C9
Gene No.	3661	Strand	-
Start	17286	End	29262
Name	OJ990823_06.9B03.C9.o2.tm	Method	TBLASTX:Maize
Start	6290	End	6490
GI	none	Score	186
Exons	6290..6490, 6293..6334, 6301..6465, 6404..6490		

Seq. No.	1776	Seq. ID	OJ990823_06.9B03.C9
Gene No.	3661	Strand	-
Start	17286	End	29262
Name	OJ990823_06.9B03.C9.o3.gs	Method	GENSCAN
Start	17286	End	29262
GI	none	Score	.54
Exons	17286..17410, 17513..17555, 18634..18686, 18732..18936, 20193..20401, 21581..21804, 22814..22921, 23447..23657, 23857..23947, 24942..25142, 26936..27031, 28275..28343, 28706..29085, 29202..29262		

Seq. No.	1777	Seq. ID	OJ990823_06.9B03.C10
Gene No.	3662	Strand	+
Start	3956	End	6539
Name	OJ990823_06.9B03.C10.o1.np	Method	AAT/NAP
Start	3923	End	6129
GI	4455287	Score	332
Exons	3923..4087, 4788..4878, 4916..5015, 5105..5269, 5995..6129		
GI Descrip.	(AL035527) putative protein [Arabidopsis thaliana]		

Seq. No.	1777	Seq. ID	OJ990823_06.9B03.C10
Gene No.	3662	Strand	+
Start	3956	End	6539
Name	OJ990823_06.9B03.C10.o2.gs	Method	GENSCAN
Start	3956	End	6539
GI	none	Score	.89
Exons	3956..4087, 5105..5269, 6211..6288, 6441..6539		

Seq. No.	1777	Seq. ID	OJ990823_06.9B03.C10
Gene No.	3662	Strand	+

Start	3956	End	6539
Name	OJ990823_06.9B03.C10.o1.gp	Method	AAT/GAP
Start	4788	End	5306
GI	LIB3433-060-P1-K1-D2	Score	544
Exons	4788..4878, 4963..5015, 5105..5306		
GI Descrip.	'4455287/emb CAB36823.1 4.0e-27 (AL035527) putative protein [Arabidopsis thaliana]'		

Seq. No.	1777	Seq. ID	OJ990823_06.9B03.C10
Gene No.	3662	Strand	+
Start	3956	End	6539
Name	OJ990823_06.9B03.C10.o2.np	Method	AAT/NAP
Start	6005	End	6530
GI	4038034	Score	311
Exons	6005..6112, 6211..6288, 6441..6530		
GI Descrip.	(AC005936) unknown protein [Arabidopsis thaliana]		

Seq. No.	1777	Seq. ID	OJ990823_06.9B03.C10
Gene No.	3663	Strand	+
Start	7201	End	7908
Name	OJ990823_06.9B03.C10.o3.gs	Method	GENSCAN
Start	7201	End	7908
GI	none	Score	1
Exons	7201..7908		

Seq. No.	1777	Seq. ID	OJ990823_06.9B03.C10
Gene No.	3664	Strand	+
Start	15722	End	17547
Name	OJ990823_06.9B03.C10.o6.gs	Method	GENSCAN
Start	15722	End	17547
GI	none	Score	.71
Exons	15722..15952, 16076..16109, 16424..16493, 16495..16670, 16762..16926, 17327..17547		

Seq. No.	1777	Seq. ID	OJ990823_06.9B03.C10
Gene No.	3665	Strand	-
Start	8082	End	20177
Name	OJ990823_06.9B03.C10.o3.ts	Method	TBLASTX:Soybean
Start	3995	End	5272
GI	none	Score	91
Exons	3995..4090, 4010..4087, 4788..4892, 4796..4876, 4802..4894, 4956..5087, 5102..5272, 5102..5269		

Seq. No.	1777	Seq. ID	OJ990823_06.9B03.C10
Gene No.	3665	Strand	-
Start	8082	End	20177
Name	OJ990823_06.9B03.C10.o6.tm	Method	TBLASTX:Maize
Start	3995	End	5272
GI	none	Score	107
Exons	3995..4090, 4001..4072, 4788..4877, 4790..4879, 4790..4882, 5102..5272, 5104..5265		

Seq. No.	1777	Seq. ID	OJ990823_06.9B03.C10
Gene No.	3665	Strand	-
Start	8082	End	20177
Name	OJ990823_06.9B03.C10.o3.tc	Method	TBLASTX:Cress
Start	5101	End	6527

GI	none	Score	216
Exons	5101..5262, 5105..5272, 5656..5778, 5680..5778, 5989..6165, 5990..6124, 6205..6243, 6244..6291, 6426..6527		

Seq. No.	1777	Seq. ID	OJ990823_06.9B03.C10
Gene No.	3665	Strand	-
Start	8082	End	20177
Name	OJ990823_06.9B03.C10.o5.tm	Method	TBLASTX:Maize
Start	5668	End	6530
GI	none	Score	107
Exons	5668..5778, 5680..5778, 5987..6022, 5989..6105, 5990..6115, 6068..6121, 6205..6291, 6209..6286, 6211..6288, 6426..6530		

Seq. No.	1777	Seq. ID	OJ990823_06.9B03.C10
Gene No.	3665	Strand	-
Start	8082	End	20177
Name	OJ990823_06.9B03.C10.o1.ts	Method	TBLASTX:Soybean
Start	5731	End	6527
GI	none	Score	65
Exons	5731..5778, 5989..6171, 5990..6124, 6205..6288, 6210..6287, 6211..6315, 6426..6527		

Seq. No.	1777	Seq. ID	OJ990823_06.9B03.C10
Gene No.	3665	Strand	-
Start	8082	End	20177
Name	OJ990823_06.9B03.C10.o4.tm	Method	TBLASTX:Maize
Start	7612	End	7839
GI	none	Score	262
Exons	7612..7839, 7615..7800, 7638..7817		

Seq. No.	1777	Seq. ID	OJ990823_06.9B03.C10
Gene No.	3665	Strand	-
Start	8082	End	20177
Name	OJ990823_06.9B03.C10.o3.np	Method	AAT/NAP
Start	8082	End	20177
GI	6686402	Score	1081
Exons	8082..8125, 12093..12331, 12433..12688, 12758..13550, 13608..13758, 19324..19872, 19945..20177		

GI Descrip. (AC007234) F1E22.16 [Arabidopsis thaliana]

Seq. No.	1777	Seq. ID	OJ990823_06.9B03.C10
Gene No.	3665	Strand	-
Start	8082	End	20177
Name	OJ990823_06.9B03.C10.o4.gs	Method	GENSCAN
Start	9376	End	10452
GI	none	Score	.94
Exons	9376..10452		

Seq. No.	1777	Seq. ID	OJ990823_06.9B03.C10
Gene No.	3665	Strand	-
Start	8082	End	20177
Name	OJ990823_06.9B03.C10.o1.tc	Method	TBLASTX:Cress
Start	9556	End	10350
GI	none	Score	98
Exons	9556..9786, 9557..9784, 9793..10008, 9856..9981, 10063..10116, 10111..10350, 10148..10216, 10196..10231		

Seq. No. 1777
 Gene No. 3665
 Start 8082
 Name OJ990823_06.9B03.C10.o2.tm
 Start 9715
 GI none
 Exons 9715..9966, 9716..9970

Seq. ID OJ990823_06.9B03.C10
 Strand -
 End 20177
 Method TBLASTX:Maize
 End 9970
 Score 306

Seq. No. 1777
 Gene No. 3665
 Start 8082
 Name OJ990823_06.9B03.C10.o7.tm
 Start 10073
 GI none
 Exons 10073..10291, 10075..10290

Seq. ID OJ990823_06.9B03.C10
 Strand -
 End 20177
 Method TBLASTX:Maize
 End 10291
 Score 147

Seq. No. 1777
 Gene No. 3665
 Start 8082
 Name OJ990823_06.9B03.C10.o1.tw
 Start 10075
 GI none
 Exons 10075..10284, 10076..10246

Seq. ID OJ990823_06.9B03.C10
 Strand -
 End 20177
 Method TBLASTX:Wheat
 End 10284
 Score 120

Seq. No. 1777
 Gene No. 3665
 Start 8082
 Name OJ990823_06.9B03.C10.o5.gs
 Start 11873
 GI none
 Exons 11873..11890, 12114..12243, 12433..13085, 13171..13672, 13740..13807

Seq. ID OJ990823_06.9B03.C10
 Strand -
 End 20177
 Method GENSCAN
 End 13807
 Score .71

Seq. No. 1777
 Gene No. 3665
 Start 8082
 Name OJ990823_06.9B03.C10.o2.tc
 Start 12415
 GI none
 Exons 12415..12558, 12435..12572, 12630..12659, 12759..13013

Seq. ID OJ990823_06.9B03.C10
 Strand -
 End 20177
 Method TBLASTX:Cress
 End 13013
 Score 65

Seq. No. 1777
 Gene No. 3665
 Start 8082
 Name OJ990823_06.9B03.C10.o1.tm
 Start 12513
 GI none
 Exons 12513..12542, 12543..12572, 12600..12677, 12759..13094, 12862..13083, 13180..13302, 13330..13470

Seq. ID OJ990823_06.9B03.C10
 Strand -
 End 20177
 Method TBLASTX:Maize
 End 13470
 Score 196

Seq. No. 1777
 Gene No. 3665
 Start 8082
 Name OJ990823_06.9B03.C10.o2.ts
 Start 12855
 GI none
 Exons 12855..13112, 12862..13086, 12972..13088

Seq. ID OJ990823_06.9B03.C10
 Strand -
 End 20177
 Method TBLASTX:Soybean
 End 13112
 Score 139

Seq. No.	1777	Seq. ID	OJ990823_06.9B03.C10
Gene No.	3665	Strand	-
Start	8082	End	20177
Name	OJ990823_06.9B03.C10.o7.gs	Method	GENSCAN
Start	19113	End	20049
GI	none	Score	.89
Exons	19113..19202, 19264..19872, 19951..20049		

Seq. No.	1777	Seq. ID	OJ990823_06.9B03.C10
Gene No.	3665	Strand	-
Start	8082	End	20177
Name	OJ990823_06.9B03.C10.o3.tm	Method	TBLASTX:Maize
Start	19345	End	19765
GI	none	Score	132
Exons	19345..19482, 19492..19551, 19567..19746, 19570..19755, 19571..19765		

Seq. No.	1778	Seq. ID	OJ990823_06.9B03.C11
Gene No.	3666	Strand	-
Start	600	End	753
Name	OJ990823_06.9B03.C11.o1.np	Method	AAT/NAP
Start	600	End	753
GI	4539658	Score	104
Exons	600..753		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	1779	Seq. ID	OJ990823_06.9B03.C13
Gene No.	3667	Strand	-
Start	1	End	1250
Name	OJ990823_06.9B03.C13.o1.np	Method	AAT/NAP
Start	1	End	1140
GI	6650550	Score	267
Exons	1..94, 948..1140		
GI Descrip.	(AF109153) MADS box transcription factor MADS17 [Oryza sativa]		

Seq. No.	1779	Seq. ID	OJ990823_06.9B03.C13
Gene No.	3667	Strand	-
Start	1	End	1250
Name	OJ990823_06.9B03.C13.o1.gp	Method	AAT/GAP
Start	894	End	1250
GI	426557	Score	687
Exons	894..1250		
GI Descrip.	3688591/dbj BAA33458 4.0e-27 (AB007505) MADS box transcription factor [Triticum aestivum]		

Seq. No.	1779	Seq. ID	OJ990823_06.9B03.C13
Gene No.	3667	Strand	-
Start	1	End	1250
Name	OJ990823_06.9B03.C13.o1.tc	Method	TBLASTX:Cress
Start	958	End	1165
GI	none	Score	229
Exons	958..1164, 959..1165		

Seq. No.	1779	Seq. ID	OJ990823_06.9B03.C13
Gene No.	3667	Strand	-

Start	1	End	1250
Name	OJ990823_06.9B03.C13.ol.tm	Method	TBLASTX:Maize
Start	958	End	1165
GI	none	Score	239
Exons	958..1140, 959..1144, 1049..1165		
Seq. No.	1779	Seq. ID	OJ990823_06.9B03.C13
Gene No.	3667	Strand	-
Start	1	End	1250
Name	OJ990823_06.9B03.C13.ol.gs	Method	GENSCAN
Start	959	End	1140
GI	none	Score	.49
Exons	959..1140		
Seq. No.	1779	Seq. ID	OJ990823_06.9B03.C13
Gene No.	3667	Strand	-
Start	1	End	1250
Name	OJ990823_06.9B03.C13.ol.ts	Method	TBLASTX:Soybean
Start	964	End	1141
GI	none	Score	199
Exons	964..1140, 965..1141		
Seq. No.	1779	Seq. ID	OJ990823_06.9B03.C13
Gene No.	3667	Strand	-
Start	1	End	1250
Name	OJ990823_06.9B03.C13.ol.tw	Method	TBLASTX:Wheat
Start	964	End	1144
GI	none	Score	204
Exons	964..1140, 965..1144		
Seq. No.	1780	Seq. ID	OJ990823_06.9B03.C14
Gene No.	3668	Strand	-
Start	1225	End	3425
Name	OJ990823_06.9B03.C14.ol.gs	Method	GENSCAN
Start	1225	End	3425
GI	none	Score	.55
Exons	1225..1307, 1312..1348, 3076..3264, 3402..3425		
Seq. No.	1781	Seq. ID	OJ990823_06.9B03.C15
Gene No.	3669	Strand	+
Start	2471	End	6210
Name	OJ990823_06.9B03.C15.ol.np	Method	AAT/NAP
Start	2471	End	6210
GI	6721553	Score	315
Exons	2471..2964, 4505..4804, 6125..6210		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi 6815078 dbj BAA90364.1 (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	1781	Seq. ID	OJ990823_06.9B03.C15
Gene No.	3670	Strand	-
Start	401	End	4926
Name	OJ990823_06.9B03.C15.ol.gs	Method	GENSCAN
Start	401	End	4926
GI	none	Score	.44
Exons	401..738, 836..1003, 1067..1168, 1889..1995, 2801..2987, 3161..3235, 3429..3525, 4619..4769, 4850..4926		

Seq. No.	1782	Seq. ID	OJ990823_06.9B03.C17
Gene No.	3671	Strand	+
Start	42	End	118
Name	OJ990823_06.9B03.C17.o1.gp	Method	AAT/GAP
Start	42	End	118
GI	3106941	Score	111
Exons	42..118		

Seq. No.	1782	Seq. ID	OJ990823_06.9B03.C17
Gene No.	3672	Strand	-
Start	97	End	527
Name	OJ990823_06.9B03.C17.o1.ts	Method	TBLASTX:Soybean
Start	77	End	489
GI	none	Score	90
Exons	77..205, 94..411, 112..489, 392..487		

Seq. No.	1782	Seq. ID	OJ990823_06.9B03.C17
Gene No.	3672	Strand	-
Start	97	End	527
Name	OJ990823_06.9B03.C17.o1.np	Method	AAT/NAP
Start	97	End	527
GI	4580523	Score	375
Exons	97..527		
GI Descrip.	(AF036305) scarecrow-like 8 [Arabidopsis thaliana]		

Seq. No.	1782	Seq. ID	OJ990823_06.9B03.C17
Gene No.	3672	Strand	-
Start	97	End	527
Name	OJ990823_06.9B03.C17.o1.tm	Method	TBLASTX:Maize
Start	124	End	522
GI	none	Score	75
Exons	124..348, 202..315, 337..522		

Seq. No.	1782	Seq. ID	OJ990823_06.9B03.C17
Gene No.	3672	Strand	-
Start	97	End	527
Name	OJ990823_06.9B03.C17.o1.gs	Method	GENSCAN
Start	137	End	456
GI	none	Score	.45
Exons	137..456		

Seq. No.	1782	Seq. ID	OJ990823_06.9B03.C17
Gene No.	3672	Strand	-
Start	97	End	527
Name	OJ990823_06.9B03.C17.o1.tc	Method	TBLASTX:Cress
Start	223	End	526
GI	none	Score	84
Exons	223..390, 235..330, 388..525, 392..526		

Seq. No.	1782	Seq. ID	OJ990823_06.9B03.C17
Gene No.	3672	Strand	-
Start	97	End	527
Name	OJ990823_06.9B03.C17.o2.gp	Method	AAT/GAP
Start	314	End	527
GI	73928 1.R1084	Score	409
Exons	314..527		

GI Descrip. '4580523/gb|AAD24408.1|AF036305_1 1.0e-24 (AF036305)
scarecrow-like 8 [Arabidopsis thaliana]'

Seq. No.	1782	Seq. ID	OJ990823_06.9B03.C17
Gene No.	3672	Strand	-
Start	97	End	527
Name	OJ990823_06.9B03.C17.o1.tw	Method	TBLASTX:Wheat
Start	340	End	526
GI	none	Score	52
Exons	340..525, 355..417, 392..526		

Seq. No.	1783	Seq. ID	OJ990903_09.9B04.C1
Gene No.	3673	Strand	-
Start	814	End	4095
Name	OJ990903_09.9B04.C1.o1.gs	Method	GENSCAN
Start	814	End	3620
GI	none	Score	.7
Exons	814..1025, 1116..1320, 1506..2206, 2251..2341, 2461..2637, 3585..3620		

Seq. No.	1783	Seq. ID	OJ990903_09.9B04.C1
Gene No.	3673	Strand	-
Start	814	End	4095
Name	OJ990903_09.9B04.C1.o1.np	Method	AAT/NAP
Start	1103	End	4095
GI	2605617	Score	195
Exons	1103..1252, 1941..2170, 2196..2446, 4029..4095		
GI Descrip.	(D88617) OSMYB1 [Oryza sativa]		

Seq. No.	1783	Seq. ID	OJ990903_09.9B04.C1
Gene No.	3673	Strand	-
Start	814	End	4095
Name	OJ990903_09.9B04.C1.o1.ts	Method	TBLASTX:Soybean
Start	2082	End	2392
GI	none	Score	63
Exons	2082..2165, 2094..2165, 2250..2342, 2255..2392		

Seq. No.	1783	Seq. ID	OJ990903_09.9B04.C1
Gene No.	3673	Strand	-
Start	814	End	4095
Name	OJ990903_09.9B04.C1.o1.tw	Method	TBLASTX:Wheat
Start	2109	End	2393
GI	none	Score	113
Exons	2109..2165, 2250..2393, 2255..2392		

Seq. No.	1784	Seq. ID	OJ990903_09.9B04.C2
Gene No.	3674	Strand	+
Start	110	End	293
Name	OJ990903_09.9B04.C2.o1.gs	Method	GENSCAN
Start	110	End	293
GI	none	Score	.94
Exons	110..293		

Seq. No.	1784	Seq. ID	OJ990903_09.9B04.C2
Gene No.	3675	Strand	+
Start	7115	End	7201
Name	OJ990903_09.9B04.C2.o2.gp	Method	AAT/GAP

Start 7115
GI 568647
Exons 7115..7201

End 7201
Score 135

Seq. No. 1784
Gene No. 3676
Start 480
Name OJ990903_09.9B04.C2.o1.gp
Start 480
GI 2431311
Exons 480..772

Seq. ID OJ990903_09.9B04.C2
Strand -
End 772
Method AAT/GAP
End 772
Score 534

Seq. No. 1785
Gene No. 3677
Start 1
Name OJ990903_09.9B04.C3.o1.gp
Start 1
GI none
Exons 1..97, 245..410

Seq. ID OJ990903_09.9B04.C3
Strand +
End 410
Method AAT/GAP
End 410
Score 466

Seq. No. 1785
Gene No. 3678
Start 656
Name OJ990903_09.9B04.C3.o1.gs
Start 656
GI none
Exons 656..768

Seq. ID OJ990903_09.9B04.C3
Strand +
End 768
Method GENSCAN
End 768
Score .86

Seq. No. 1785
Gene No. 3679
Start 8110
Name OJ990903_09.9B04.C3.o2.gp
Start 8043
GI 18308_1.R1084
Exons 8043..8163, 8288..8404, 9856..10061, 11019..11267
GI Descrip. '6015437/dbj|AB008112.1|AB008112 2.0e-10 Homo sapiens PEX1 mRNA, complete cds'

Seq. ID OJ990903_09.9B04.C3
Strand +
End 11267
Method AAT/GAP
End 11267
Score 1218

Seq. No. 1785
Gene No. 3679
Start 8110
Name OJ990903_09.9B04.C3.o4.gs
Start 8110
GI none
Exons 8110..8163, 8288..8404, 9856..9963, 11019..11114

Seq. ID OJ990903_09.9B04.C3
Strand +
End 11267
Method GENSCAN
End 11114
Score .84

Seq. No. 1785
Gene No. 3680
Start 12370
Name OJ990903_09.9B04.C3.o3.gp
Start 12282
GI none
Exons 12282..12521

Seq. ID OJ990903_09.9B04.C3
Strand +
End 13588
Method AAT/GAP
End 12521
Score 377

Seq. No. 1785
Gene No. 3680
Start 12370

Seq. ID OJ990903_09.9B04.C3
Strand +
End 13588

Name OJ990903_09.9B04.C3.o5.gs
 Start 12370
 GI none
 Exons 12370..12701, 13251..13359

Method GENSCAN
 End 13359
 Score .95

Seq. No. 1785
 Gene No. 3680
 Start 12370
 Name OJ990903_09.9B04.C3.o4.gp
 Start 12555
 GI none
 Exons 12555..12701, 13251..13588

Seq. ID OJ990903_09.9B04.C3
 Strand +
 End 13588
 Method AAT/GAP
 End 13588
 Score 939

Seq. No. 1785
 Gene No. 3681
 Start 24840
 Name OJ990903_09.9B04.C3.o3.np
 Start 24840
 GI 6907089
 Exons 24840..26101, 26202..27959
 GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. ID OJ990903_09.9B04.C3
 Strand +
 End 27962
 Method AAT/NAP
 End 27959
 Score 4110

Seq. No. 1785
 Gene No. 3681
 Start 24840
 Name OJ990903_09.9B04.C3.o8.gs
 Start 24840
 GI none
 Exons 24840..26101, 26151..27319, 27418..27962

Seq. ID OJ990903_09.9B04.C3
 Strand +
 End 27962
 Method GENSCAN
 End 27962
 Score .95

Seq. No. 1785
 Gene No. 3682
 Start 1816
 Name OJ990903_09.9B04.C3.o2.gs
 Start 1816
 GI none
 Exons 1816..2012, 2796..3297, 4904..5299

Seq. ID OJ990903_09.9B04.C3
 Strand -
 End 5299
 Method GENSCAN
 End 5299
 Score .62

Seq. No. 1785
 Gene No. 3682
 Start 1816
 Name OJ990903_09.9B04.C3.o1.np
 Start 1822
 GI 4455202
 Exons 1822..2012, 2796..3297, 4862..5287
 GI Descrip. (AL035440) putative APG protein [Arabidopsis thaliana]

Seq. ID OJ990903_09.9B04.C3
 Strand -
 End 5299
 Method AAT/NAP
 End 5287
 Score 901

Seq. No. 1785
 Gene No. 3683
 Start 6082
 Name OJ990903_09.9B04.C3.o3.gs
 Start 6082
 GI none
 Exons 6082..6786, 6855..7283

Seq. ID OJ990903_09.9B04.C3
 Strand -
 End 7283
 Method GENSCAN
 End 7283
 Score .8

Seq. No. 1785
 Gene No. 3683

Seq. ID OJ990903_09.9B04.C3
 Strand -

Start	6082	End	7283
Name	OJ990903_09.9B04.C3.o2.np	Method	AAT/NAP
Start	6085	End	7277
GI	4455202	Score	720
Exons	6085..6786, 6813..7045, 7076..7277		
GI Descrip.	(AL035440) putative APG protein [Arabidopsis thaliana]		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3684	Strand	-
Start	14085	End	20673
Name	OJ990903_09.9B04.C3.o6.gs	Method	GENSCAN
Start	14085	End	20673
GI	none	Score	.66
Exons	14085..14318, 14427..14468, 15920..16042, 16380..17292, 20507..20673		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3685	Strand	-
Start	28586	End	34828
Name	OJ990903_09.9B04.C3.o9.gs	Method	GENSCAN
Start	28586	End	34828
GI	none	Score	.79
Exons	28586..29428, 29528..32122, 32186..34620, 34657..34828		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3685	Strand	-
Start	28586	End	34828
Name	OJ990903_09.9B04.C3.o4.np	Method	AAT/NAP
Start	28589	End	34044
GI	6498441	Score	7132
Exons	28589..28870, 28964..30361, 30533..31256, 31431..31565, 31749..32122, 32186..32649, 32980..34044		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o4.ts	Method	TBLASTX:Soybean
Start	1846	End	6258
GI	none	Score	116
Exons	1846..2013, 1865..1990, 6088..6207, 6220..6258		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o1.tm	Method	TBLASTX:Maize
Start	2756	End	6678
GI	none	Score	112
Exons	2756..2950, 2794..2949, 2983..3189, 2996..3034, 3095..3181, 3097..3192, 6355..6456, 6457..6585, 6458..6586, 6592..6678, 6593..6664		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256

Name	OJ990903_09.9B04.C3.o1.ts	Method	TBLASTX:Soybean
Start	2995	End	7167
GI	none	Score	178
Exons	2995..3036, 3127..3297, 4895..5089, 4908..5090, 5090..5188, 5091..5189, 6457..6585, 6619..6678, 6715..6798, 6864..7034, 6973..7035, 7071..7160, 7075..7167		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o1.tc	Method	TBLASTX:Cress
Start	4898	End	7170
GI	none	Score	146
Exons	4898..5089, 4905..5090, 5087..5188, 5088..5189, 6733..6798, 6858..7034, 6973..7032, 7075..7170, 7077..7160		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o6.tm	Method	TBLASTX:Maize
Start	5040	End	17095
GI	none	Score	210
Exons	5040..5189, 5042..5188, 6993..7034, 7074..7160, 7078..7167, 17015..17095		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o5.tm	Method	TBLASTX:Maize
Start	8109	End	10056
GI	none	Score	130
Exons	8109..8168, 8285..8407, 8291..8404, 8293..8412, 9853..10056, 9853..10002, 9855..10010		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o5.ts	Method	TBLASTX:Soybean
Start	8285	End	10014
GI	none	Score	95
Exons	8285..8404, 8287..8391, 9847..10014, 9853..10002		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o3.tw	Method	TBLASTX:Wheat
Start	9253	End	32765
GI	none	Score	158
Exons	9253..9396, 32279..32764, 32283..32570, 32306..32764, 32592..32765		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o9.tw	Method	TBLASTX:Wheat
Start	12344	End	13293
GI	none	Score	40

Exons 12344..12376, 12345..12419, 12378..12428, 12400..12441,
12502..12645, 12504..12620, 12510..12650, 13246..13293

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o7.tm	Method	TBLASTX:Maize
Start	12393	End	13368
GI	none	Score	44
Exons	12393..12446, 12398..12421, 12486..12620, 12502..12645, 13246..13323, 13247..13321, 13333..13368		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o7.tw	Method	TBLASTX:Wheat
Start	28598	End	29200
GI	none	Score	77
Exons	28598..28723, 28602..28724, 28910..29200, 28917..29195		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o4.tw	Method	TBLASTX:Wheat
Start	29201	End	29582
GI	none	Score	223
Exons	29201..29581, 29232..29582		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o3.tm	Method	TBLASTX:Maize
Start	29376	End	29719
GI	none	Score	214
Exons	29376..29525, 29396..29719, 29409..29690		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o8.tw	Method	TBLASTX:Wheat
Start	29912	End	30224
GI	none	Score	75
Exons	29912..30223, 29913..30224		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o3.ts	Method	TBLASTX:Soybean
Start	30126	End	30538
GI	none	Score	53
Exons	30126..30248, 30128..30373, 30294..30350, 30440..30538, 30441..30530		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o5.tw	Method	TBLASTX:Wheat

Start	30227	End	30688
GI	none	Score	88
Exons	30227..30376, 30228..30365, 30235..30378, 30410..30661, 30411..30596, 30437..30688		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o2.ts	Method	TBLASTX:Soybean
Start	31094	End	31465
GI	none	Score	91
Exons	31094..31465, 31290..31448		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o2.tw	Method	TBLASTX:Wheat
Start	31124	End	31544
GI	none	Score	277
Exons	31124..31543, 31149..31544		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o4.tm	Method	TBLASTX:Maize
Start	31217	End	31601
GI	none	Score	235
Exons	31217..31600, 31236..31601		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o2.tm	Method	TBLASTX:Maize
Start	31628	End	31984
GI	none	Score	73
Exons	31628..31744, 31628..31984, 31638..31949		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o1.tw	Method	TBLASTX:Wheat
Start	31652	End	32114
GI	none	Score	210
Exons	31652..32113, 31658..32113, 31659..32114		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o6.ts	Method	TBLASTX:Soybean
Start	31709	End	32074
GI	none	Score	116
Exons	31709..31843, 31850..32074		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o6.tw	Method	TBLASTX:Wheat

Start	33503	End	33892
GI	none	Score	99
Exons	33503..33760, 33537..33776, 33743..33841, 33744..33824, 33848..33892		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o8.tm	Method	TBLASTX:Maize
Start	33605	End	33853
GI	none	Score	109
Exons	33605..33853, 33606..33851		

Seq. No.	1785	Seq. ID	OJ990903_09.9B04.C3
Gene No.	3686	Strand	-
Start	34775	End	35256
Name	OJ990903_09.9B04.C3.o5.np	Method	AAT/NAP
Start	34775	End	35256
GI	5042454	Score	90
Exons	34775..34835, 35181..35256		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	1786	Seq. ID	OJ990903_09.9B04.C4
Gene No.	3687	Strand	+
Start	911	End	1374
Name	OJ990903_09.9B04.C4.o1.gp	Method	AAT/GAP
Start	911	End	1374
GI	35178_1.R1084	Score	872
Exons	911..1374		
GI Descrip.	'418548/sp P32698 YJBQ_ECOLI 7.0e-16 HYPOTHETICAL 15.7 KD PROTEIN IN APHA-UVRA INTERGENIC REGION (O138) >gi_396391 (U00006) No definition line found [Escherichia coli] >gi_1790491 (AE000479) orf, hypothetical protein [Escherichia coli]'		

Seq. No.	1786	Seq. ID	OJ990903_09.9B04.C4
Gene No.	3687	Strand	+
Start	911	End	1374
Name	OJ990903_09.9B04.C4.o1.gs	Method	GENSCAN
Start	982	End	1317
GI	none	Score	1
Exons	982..1317		

Seq. No.	1786	Seq. ID	OJ990903_09.9B04.C4
Gene No.	3688	Strand	+
Start	2517	End	7536
Name	OJ990903_09.9B04.C4.o2.gs	Method	GENSCAN
Start	2517	End	7536
GI	none	Score	.62
Exons	2517..2519, 2721..3174, 3338..3652, 3754..3856, 4080..4179, 4808..4869, 4989..5176, 5967..6045, 6058..6242, 7058..7536		

Seq. No.	1786	Seq. ID	OJ990903_09.9B04.C4
Gene No.	3689	Strand	-
Start	7941	End	9728
Name	OJ990903_09.9B04.C4.o1.tm	Method	TBLASTX:Maize
Start	3565	End	4225
GI	none	Score	42

Exons 3565..3588, 3622..3657, 3744..3836, 3753..3830, 4075..4224,
4076..4195, 4084..4221, 4085..4225

Seq. No.	1786	Seq. ID	OJ990903_09.9B04.C4
Gene No.	3689	Strand	-
Start	7941	End	9728
Name	OJ990903_09.9B04.C4.o3.gs	Method	GENSCAN
Start	7941	End	9728
GI	none	Score	.68
Exons	7941..8386, 8924..9201, 9580..9728		

Seq. No.	1787	Seq. ID	OJ990903_09.9B04.C5
Gene No.	3690	Strand	+
Start	126	End	661
Name	OJ990903_09.9B04.C5.o1.gs	Method	GENSCAN
Start	126	End	661
GI	none	Score	.5
Exons	126..260, 512..575, 596..661		

Seq. No.	1788	Seq. ID	OJ990903_09.9B04.C6
Gene No.	3691	Strand	+
Start	2113	End	2310
Name	OJ990903_09.9B04.C6.o1.gs	Method	GENSCAN
Start	2113	End	2310
GI	none	Score	.62
Exons	2113..2310		

Seq. No.	1788	Seq. ID	OJ990903_09.9B04.C6
Gene No.	3692	Strand	+
Start	3884	End	7751
Name	OJ990903_09.9B04.C6.o2.gs	Method	GENSCAN
Start	3884	End	6839
GI	none	Score	.91
Exons	3884..4160, 4673..5002, 6005..6147, 6380..6583, 6729..6839		

Seq. No.	1788	Seq. ID	OJ990903_09.9B04.C6
Gene No.	3692	Strand	+
Start	3884	End	7751
Name	OJ990903_09.9B04.C6.o2.np	Method	AAT/NAP
Start	4751	End	7599
GI	4662632	Score	611
Exons	4751..5046, 5873..6147, 6380..6583, 7489..7599		
GI Descrip.	(AC007267) unknown protein [Arabidopsis thaliana]		

Seq. No.	1788	Seq. ID	OJ990903_09.9B04.C6
Gene No.	3692	Strand	+
Start	3884	End	7751
Name	OJ990903_09.9B04.C6.o2.gp	Method	AAT/GAP
Start	4753	End	5972
GI	none	Score	599
Exons	4753..5002, 5890..5972		

Seq. No.	1788	Seq. ID	OJ990903_09.9B04.C6
Gene No.	3692	Strand	+
Start	3884	End	7751
Name	OJ990903_09.9B04.C6.o3.gp	Method	AAT/GAP
Start	6340	End	7751

GI 11312_1.R1084 Score 773
 Exons 6340..6583, 7489..7751
 GI Descrip. '4662632/gb|AAD26904.1|AC007267_4 3.0e-18 (AC007267) unknown protein [Arabidopsis thaliana]'

Seq. No. 1788 Seq. ID OJ990903_09.9B04.C6
 Gene No. 3693 Strand -
 Start 1168 End 4029
 Name OJ990903_09.9B04.C6.o1.np Method AAT/NAP
 Start 1168 End 3923
 GI 6460422 Score 226
 Exons 1168..1254, 2450..2492, 2593..2658, 2953..3081, 3798..3923
 GI Descrip. (AE002088) conserved hypothetical protein [Deinococcus radiodurans]

Seq. No. 1788 Seq. ID OJ990903_09.9B04.C6
 Gene No. 3693 Strand -
 Start 1168 End 4029
 Name OJ990903_09.9B04.C6.o1.gp Method AAT/GAP
 Start 2552 End 4029
 GI 2311606 Score 690
 Exons 2552..2647, 2853..2886, 2975..3069, 3706..3766, 3844..4029
 GI Descrip. 418548/sp|P32698|YJBQ ECOLI 7.0e-16 HYPOTHETICAL 15.7 KD PROTEIN IN APHA-UVRA INTERGENIC REGION (O138) >gi_396391 (U00006) No definition line found [Escherichia coli] >gi_1790491 (AE000479) orf, hypothetical protein [Escherichia coli]

Seq. No. 1788 Seq. ID OJ990903_09.9B04.C6
 Gene No. 3694 Strand -
 Start 7492 End 8025
 Name OJ990903_09.9B04.C6.o3.tm Method TBLASTX:Maize
 Start 1163 End 3931
 GI none Score 87
 Exons 1163..1255, 1177..1254, 2443..2502, 2445..2492, 2592..2648, 2592..2648, 2593..2655, 2593..2649, 2852..2878, 2852..2887, 2860..2889, 2959..3066, 2975..3079, 2976..3065, 3689..3769, 3707..3769, 3841..3930, 3845..3931

Seq. No. 1788 Seq. ID OJ990903_09.9B04.C6
 Gene No. 3694 Strand -
 Start 7492 End 8025
 Name OJ990903_09.9B04.C6.o2.tw Method TBLASTX:Wheat
 Start 1717 End 2085
 GI none Score 277
 Exons 1717..2085, 1737..2081

Seq. No. 1788 Seq. ID OJ990903_09.9B04.C6
 Gene No. 3694 Strand -
 Start 7492 End 8025
 Name OJ990903_09.9B04.C6.o2.tm Method TBLASTX:Maize
 Start 1974 End 2265
 GI none Score 271
 Exons 1974..2084, 1975..2265, 1975..2148, 2106..2243

Seq. No. 1788 Seq. ID OJ990903_09.9B04.C6
 Gene No. 3694 Strand -
 Start 7492 End 8025

Name	OJ990903_09.9B04.C6.o1.tm	Method	TBLASTX:Maize
Start	4943	End	7587
GI	none	Score	107
Exons	4943..5011, 5877..6146, 5882..5995, 5887..6147, 5887..6147, 6377..6532, 6379..6540, 6379..6531, 6540..6584, 6541..6585, 7456..7557, 7486..7587, 7487..7576		

Seq. No.	1788	Seq. ID	OJ990903_09.9B04.C6
Gene No.	3694	Strand	-
Start	7492	End	8025
Name	OJ990903_09.9B04.C6.o1.ts	Method	TBLASTX:Soybean
Start	5877	End	6156
GI	none	Score	64
Exons	5877..6146, 5882..5995, 5887..6147, 5887..6156		

Seq. No.	1788	Seq. ID	OJ990903_09.9B04.C6
Gene No.	3694	Strand	-
Start	7492	End	8025
Name	OJ990903_09.9B04.C6.o1.tc	Method	TBLASTX:Cress
Start	5886	End	6102
GI	none	Score	63
Exons	5886..6044, 5887..6057, 5889..6029, 6045..6071, 6055..6102		

Seq. No.	1788	Seq. ID	OJ990903_09.9B04.C6
Gene No.	3694	Strand	-
Start	7492	End	8025
Name	OJ990903_09.9B04.C6.o1.tw	Method	TBLASTX:Wheat
Start	6091	End	7591
GI	none	Score	88
Exons	6091..6147, 6091..6132, 6093..6143, 6376..6600, 6377..6583, 6379..6588, 7456..7557, 7487..7591, 7488..7556		

Seq. No.	1788	Seq. ID	OJ990903_09.9B04.C6
Gene No.	3694	Strand	-
Start	7492	End	8025
Name	OJ990903_09.9B04.C6.o2.ts	Method	TBLASTX:Soybean
Start	6373	End	7557
GI	none	Score	121
Exons	6373..6537, 6377..6583, 6377..6544, 6379..6579, 7437..7556, 7444..7557		

Seq. No.	1788	Seq. ID	OJ990903_09.9B04.C6
Gene No.	3694	Strand	-
Start	7492	End	8025
Name	OJ990903_09.9B04.C6.o3.gs	Method	GENSCAN
Start	7492	End	8025
GI	none	Score	.76
Exons	7492..7671, 7831..8025		

Seq. No.	1789	Seq. ID	OJ990903_09.9B04.C7
Gene No.	3695	Strand	+
Start	947	End	1389
Name	OJ990903_09.9B04.C7.o1.gs	Method	GENSCAN
Start	947	End	1389
GI	none	Score	.45
Exons	947..1389		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3696	Strand	+
Start	823	End	3966
Name	OJ990903_09.9B04.C8.o1.gs	Method	GENSCAN
Start	823	End	3936
GI	none	Score	.71
Exons	823..938, 2803..2874, 2995..3411, 3445..3936		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3696	Strand	+
Start	823	End	3966
Name	OJ990903_09.9B04.C8.o1.gp	Method	AAT/GAP
Start	2978	End	3557
GI	57759_1.R1084	Score	1096
Exons	2978..3557		
GI Descrip.	'1777660/gb U42519 CIU42519 2.0e-43 Chrysobalanus icaco 18S ribosomal RNA gene, partial sequence'		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3696	Strand	+
Start	823	End	3966
Name	OJ990903_09.9B04.C8.o1.np	Method	AAT/NAP
Start	3046	End	3903
GI	2129648	Score	459
Exons	3046..3903		
GI Descrip.	MYB-related protein 33,3K - Arabidopsis thaliana gi 1263095 emb CAA90809 (Z54136) MYB-related protein [Arabidopsis thaliana]		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3696	Strand	+
Start	823	End	3966
Name	OJ990903_09.9B04.C8.o2.gp	Method	AAT/GAP
Start	3669	End	3966
GI	5003977	Score	552
Exons	3669..3966		
GI Descrip.	1777660/gb U42519 CIU42519 2.0e-43 Chrysobalanus icaco 18S ribosomal RNA gene, partial sequence		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3697	Strand	+
Start	5452	End	5928
Name	OJ990903_09.9B04.C8.o3.gp	Method	AAT/GAP
Start	5452	End	5928
GI	56295_1.R1084	Score	922
Exons	5452..5928		
GI Descrip.	'3913181/sp O22380 CADH_LOLPR 6.0e-37 CINNAMYL-ALCOHOL DEHYDROGENASE (CAD) >gi_2388662 (AF010290) cinnamyl alcohol dehydrogenase [Lolium perenne]'		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3698	Strand	+
Start	8693	End	10037
Name	OJ990903_09.9B04.C8.o3.np	Method	AAT/NAP
Start	8693	End	10037
GI	6630699	Score	86
Exons	8693..8732, 9950..10037		

GI Descrip. (AP000969) hypothetical protein [Oryza sativa]
gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein
[Oryza sativa]

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3699	Strand	+
Start	19154	End	20308
Name	OJ990903_09.9B04.C8.o4.gs	Method	GENSCAN
Start	19154	End	20308
GI	none	Score	.63
Exons	19154..19209, 19996..20151, 20230..20308		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3700	Strand	+
Start	23763	End	24148
Name	OJ990903_09.9B04.C8.o6.gp	Method	AAT/GAP
Start	23763	End	24148
GI	2800649	Score	627
Exons	23763..24148		

GI Descrip. 4680178/gb|AF111709.1|AF111709 1.0e-11 Oryza sativa subsp.
indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2
retrotransposon, complete sequences; and unknown genes

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3701	Strand	+
Start	26096	End	27948
Name	OJ990903_09.9B04.C8.o6.np	Method	AAT/NAP
Start	26096	End	27948
GI	5852093	Score	54
Exons	26096..26201, 26732..26803, 27896..27948		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3702	Strand	-
Start	5609	End	14728
Name	OJ990903_09.9B04.C8.o2.np	Method	AAT/NAP
Start	5603	End	9195
GI	3913182	Score	1605
Exons	5603..6269, 7312..7539, 8168..8281, 9107..9195		
GI Descrip.	CINNAMYL-ALCOHOL DEHYDROGENASE (CAD) (BROWN-MIDRIB 1 PROTEIN) gi 2239258 emb CAA74070 (Y13733) cinnamyl alcohol dehydrogenase [Zea mays]		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3702	Strand	-
Start	5609	End	14728
Name	OJ990903_09.9B04.C8.o3.gs	Method	GENSCAN
Start	5609	End	14728
GI	none	Score	.63
Exons	5609..6269, 7312..7539, 8168..8281, 9107..9327, 9932..10031, 10212..10285, 11239..11364, 11370..11491, 14016..14043, 14128..14284, 14364..14728		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3702	Strand	-
Start	5609	End	14728
Name	OJ990903_09.9B04.C8.o4.gp	Method	AAT/GAP

Start	5981	End	9324
GI	13921_1.R1084	Score	1571
Exons	5981..6269, 7312..7539, 8168..8281, 9107..9324		
GI Descrip.	'3913182/sp O24562 CADH_MAIZE 1.0e-65 CINNAMYL-ALCOHOL DEHYDROGENASE (CAD) (BROWN-MIDRIB 1 PROTEIN) >gi_2239258_emb_CAA74070 (Y13733) cinnamyl alcohol dehydrogenase [Zea mays]'		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3702	Strand	-
Start	5609	End	14728
Name	OJ990903_09.9B04.C8.o4.np	Method	AAT/NAP
Start	10175	End	10358
GI	5922620	Score	102
Exons	10175..10358		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3703	Strand	-
Start	23763	End	24051
Name	OJ990903_09.9B04.C8.o5.gp	Method	AAT/GAP
Start	23763	End	24051
GI	2800649	Score	545
Exons	23763..24051		
GI Descrip.	4680178/gb AF111709.1 AF111709 1.0e-11 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3704	Strand	-
Start	24005	End	25551
Name	OJ990903_09.9B04.C8.o5.np	Method	AAT/NAP
Start	24005	End	25422
GI	2244905	Score	787
Exons	24005..25422		
GI Descrip.	(Z97339) indole-3-acetate beta-glucosyltransferase like protein [Arabidopsis thaliana]		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3704	Strand	-
Start	24005	End	25551
Name	OJ990903_09.9B04.C8.o7.gp	Method	AAT/GAP
Start	25227	End	25551
GI	5002839	Score	588
Exons	25227..25551		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o1.tm	Method	TBLASTX:Maize
Start	3034	End	3672
GI	none	Score	522
Exons	3034..3378, 3057..3380, 3376..3468, 3381..3467, 3480..3554,		

3481..3555, 3642..3671, 3643..3672

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o2.ts	Method	TBLASTX:Soybean
Start	3046	End	3516
GI	none	Score	481
Exons	3046..3372, 3057..3368, 3418..3516		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o1.tc	Method	TBLASTX:Cress
Start	3052	End	3525
GI	none	Score	468
Exons	3052..3363, 3054..3356, 3423..3461, 3424..3462, 3496..3525		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o2.tw	Method	TBLASTX:Wheat
Start	3061	End	14361
GI	none	Score	78
Exons	3061..3147, 3160..3357, 3165..3344, 14266..14361		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o8.tm	Method	TBLASTX:Maize
Start	3786	End	3947
GI	none	Score	214
Exons	3786..3947, 3787..3942		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o1.ts	Method	TBLASTX:Soybean
Start	5636	End	9201
GI	none	Score	128
Exons	5636..6109, 5640..5876, 6005..6199, 6170..6271, 6171..6269, 7297..7449, 7302..7448, 8162..8284, 8167..8301, 9104..9196, 9106..9201		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o2.tc	Method	TBLASTX:Cress
Start	5636	End	6110
GI	none	Score	139
Exons	5636..5968, 5640..5876, 5969..6058, 6050..6109, 6054..6110		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o2.tm	Method	TBLASTX:Maize
Start	5636	End	5959

GI	none	Score	211
Exons	5636..5959, 5640..5864, 5747..5872		
Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o1.tw	Method	TBLASTX:Wheat
Start	5642	End	6271
GI	none	Score	65
Exons	5642..6109, 5765..5824, 6005..6220, 6161..6271		
Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o5.tm	Method	TBLASTX:Maize
Start	5960	End	9205
GI	none	Score	80
Exons	5960..6109, 6003..6110, 6014..6268, 6161..6271, 6162..6290, 6168..6272, 7297..7446, 7302..7493, 7497..7553, 8162..8284, 8167..8283, 9104..9205, 9106..9204		
Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o4.tc	Method	TBLASTX:Cress
Start	6206	End	9184
GI	none	Score	140
Exons	6206..6271, 7279..7431, 7302..7448, 8162..8284, 8162..8263, 8167..8283, 9106..9183, 9107..9184		
Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o7.tm	Method	TBLASTX:Maize
Start	14442	End	14765
GI	none	Score	71
Exons	14442..14519, 14472..14591, 14474..14542, 14562..14765, 14562..14591, 14597..14761		
Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o4.tm	Method	TBLASTX:Maize
Start	24151	End	24452
GI	none	Score	66
Exons	24151..24201, 24202..24333, 24211..24267, 24245..24346, 24316..24444, 24318..24452, 24336..24446		
Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o3.ts	Method	TBLASTX:Soybean
Start	24217	End	25386
GI	none	Score	90
Exons	24217..24333, 24245..24334, 24316..24456, 24318..24434, 24438..24611, 24663..24896, 25282..25386		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o3.tw	Method	TBLASTX:Wheat
Start	24241	End	24596
GI	none	Score	74
Exons	24241..24333, 24263..24334, 24318..24470, 24319..24468, 24436..24591, 24459..24596		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o3.tc	Method	TBLASTX:Cress
Start	24245	End	25386
GI	none	Score	41
Exons	24245..24334, 24318..24449, 24436..24570, 24456..24620, 24651..24689, 24708..24890, 25156..25200, 25282..25386		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o6.tm	Method	TBLASTX:Maize
Start	24708	End	24962
GI	none	Score	119
Exons	24708..24962, 24718..24960		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o3.tm	Method	TBLASTX:Maize
Start	25048	End	25390
GI	none	Score	83
Exons	25048..25389, 25049..25144, 25265..25390		

Seq. No.	1790	Seq. ID	OJ990903_09.9B04.C8
Gene No.	3705	Strand	-
Start	27872	End	27976
Name	OJ990903_09.9B04.C8.o6.gs	Method	GENSCAN
Start	27872	End	27976
GI	none	Score	.8
Exons	27872..27976		

Seq. No.	1791	Seq. ID	OJ990903_09.9B04.C9
Gene No.	3706	Strand	+
Start	943	End	1741
Name	OJ990903_09.9B04.C9.o1.gs	Method	GENSCAN
Start	943	End	1741
GI	none	Score	.61
Exons	943..1243, 1478..1741		

Seq. No.	1791	Seq. ID	OJ990903_09.9B04.C9
Gene No.	3707	Strand	-
Start	2196	End	4683
Name	OJ990903_09.9B04.C9.o2.gs	Method	GENSCAN
Start	2196	End	4457
GI	none	Score	.41
Exons	2196..2438, 4308..4457		

Seq. No.	1791	Seq. ID	OJ990903_09.9B04.C9
Gene No.	3707	Strand	-
Start	2196	End	4683
Name	OJ990903_09.9B04.C9.o1.np	Method	AAT/NAP
Start	4315	End	4683
GI	6539570	Score	225
Exons	4315..4381, 4542..4683		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	1792	Seq. ID	OJ990903_09.9B04.C10
Gene No.	3708	Strand	+
Start	70	End	185
Name	OJ990903_09.9B04.C10.o1.gs	Method	GENSCAN
Start	70	End	185
GI	none	Score	1
Exons	70..185		

Seq. No.	1792	Seq. ID	OJ990903_09.9B04.C10
Gene No.	3709	Strand	-
Start	1010	End	1195
Name	OJ990903_09.9B04.C10.o2.gs	Method	GENSCAN
Start	1010	End	1195
GI	none	Score	.94
Exons	1010..1195		

Seq. No.	1793	Seq. ID	OJ990903_09.9B04.C11
Gene No.	3710	Strand	+
Start	157	End	255
Name	OJ990903_09.9B04.C11.o1.gs	Method	GENSCAN
Start	157	End	255
GI	none	Score	.91
Exons	157..255		

Seq. No.	1794	Seq. ID	OJ990903_09.9B04.C12
Gene No.	3711	Strand	-
Start	63	End	192
Name	OJ990903_09.9B04.C12.o1.gs	Method	GENSCAN
Start	63	End	192
GI	none	Score	.46
Exons	63..192		

Seq. No.	1795	Seq. ID	OJ990923_08.9B08.C1
Gene No.	3712	Strand	-
Start	134	End	972
Name	OJ990923_08.9B08.C1.o1.np	Method	AAT/NAP
Start	134	End	972
GI	5902445	Score	1353
Exons	134..972		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	1795	Seq. ID	OJ990923_08.9B08.C1
Gene No.	3712	Strand	-
Start	134	End	972
Name	OJ990923_08.9B08.C1.o1.tw	Method	TBLASTX:Wheat
Start	143	End	757
GI	none	Score	104

Exons 143..280, 266..757, 468..602, 491..757

Seq. No.	1795	Seq. ID	OJ990923_08.9B08.C1
Gene No.	3712	Strand	-
Start	134	End	972
Name	OJ990923_08.9B08.C1.o1.tm	Method	TBLASTX:Maize
Start	182	End	445
GI	none	Score	95
Exons	182..283, 183..284, 263..445, 264..323		

Seq. No.	1795	Seq. ID	OJ990923_08.9B08.C1
Gene No.	3712	Strand	-
Start	134	End	972
Name	OJ990923_08.9B08.C1.o1.gs	Method	GENSCAN
Start	203	End	855
GI	none	Score	.52
Exons	203..855		

Seq. No.	1795	Seq. ID	OJ990923_08.9B08.C1
Gene No.	3712	Strand	-
Start	134	End	972
Name	OJ990923_08.9B08.C1.o2.tm	Method	TBLASTX:Maize
Start	527	End	806
GI	none	Score	56
Exons	527..613, 623..706, 636..710, 693..806, 701..799		

Seq. No.	1795	Seq. ID	OJ990923_08.9B08.C1
Gene No.	3712	Strand	-
Start	134	End	972
Name	OJ990923_08.9B08.C1.o2.tw	Method	TBLASTX:Wheat
Start	764	End	972
GI	none	Score	127
Exons	764..970, 780..971, 796..972, 883..972		

Seq. No.	1796	Seq. ID	OJ990923_08.9B08.C2
Gene No.	3713	Strand	+
Start	1	End	1433
Name	OJ990923_08.9B08.C2.o1.np	Method	AAT/NAP
Start	1	End	1430
GI	6498441	Score	2201
Exons	1..1055, 1149..1430		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	1796	Seq. ID	OJ990923_08.9B08.C2
Gene No.	3713	Strand	+
Start	1	End	1433
Name	OJ990923_08.9B08.C2.o1.gs	Method	GENSCAN
Start	103	End	1433
GI	none	Score	.77
Exons	103..506, 576..1433		

Seq. No.	1796	Seq. ID	OJ990923_08.9B08.C2
Gene No.	3714	Strand	-
Start	2053	End	4189
Name	OJ990923_08.9B08.C2.o1.tm	Method	TBLASTX:Maize

Start 300
 GI none
 Exons 300..623, 329..610

End 623
 Score 354

Seq. No. 1796
 Gene No. 3714
 Start 2053
 Name OJ990923_08.9B08.C2.o1.tw
 Start 437
 GI none
 Exons 437..787, 438..818

Seq. ID OJ990923_08.9B08.C2
 Strand -
 End 4189
 Method TBLASTX:Wheat
 End 818
 Score 365

Seq. No. 1796
 Gene No. 3714
 Start 2053
 Name OJ990923_08.9B08.C2.o2.tw
 Start 819
 GI none
 Exons 819..1103, 824..1099, 1295..1405, 1296..1421

Seq. ID OJ990923_08.9B08.C2
 Strand -
 End 4189
 Method TBLASTX:Wheat
 End 1421
 Score 260

Seq. No. 1796
 Gene No. 3714
 Start 2053
 Name OJ990923_08.9B08.C2.o2.tm
 Start 1290
 GI none
 Exons 1290..1433, 1295..1429

Seq. ID OJ990923_08.9B08.C2
 Strand -
 End 4189
 Method TBLASTX:Maize
 End 1433
 Score 182

Seq. No. 1796
 Gene No. 3714
 Start 2053
 Name OJ990923_08.9B08.C2.o2.gs
 Start 2053
 GI none
 Exons 2053..2474, 2555..3361, 3532..3926, 4030..4103

Seq. ID OJ990923_08.9B08.C2
 Strand -
 End 4189
 Method GENSCAN
 End 4103
 Score .7

Seq. No. 1796
 Gene No. 3714
 Start 2053
 Name OJ990923_08.9B08.C2.o2.np
 Start 2056
 GI 6907089
 Exons 2056..3926, 4030..4189

Seq. ID OJ990923_08.9B08.C2
 Strand -
 End 4189
 Method AAT/NAP
 End 4189
 Score 2452

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No. 1797
 Gene No. 3715
 Start 1
 Name OJ990923_08.9B08.C3.o1.np
 Start 1
 GI 6907089
 Exons 1..913

Seq. ID OJ990923_08.9B08.C3
 Strand -
 End 913
 Method AAT/NAP
 End 913
 Score 1458

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No. 1797
 Gene No. 3715
 Start 1

Seq. ID OJ990923_08.9B08.C3
 Strand -
 End 913

Name OJ990923_08.9B08.C3.o1.gs
 Start 12
 GI none
 Exons 12..224, 302..913

Method GENSCAN
 End 913
 Score .5

Seq. No. 1798
 Gene No. 3716
 Start 1
 Name OJ990923_08.9B08.C4.o1.np
 Start 1
 GI 6069646
 Exons 1..23, 3174..3957, 4246..5216
 GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. ID OJ990923_08.9B08.C4
 Strand +
 End 5216
 Method AAT/NAP
 End 5216
 Score 895

Seq. No. 1798
 Gene No. 3717
 Start 5653
 Name OJ990923_08.9B08.C4.o2.gs
 Start 5653
 GI none
 Exons 5653..5834, 6328..7048, 7497..7709

Seq. ID OJ990923_08.9B08.C4
 Strand +
 End 7709
 Method GENSCAN
 End 7709
 Score .72

Seq. No. 1798
 Gene No. 3718
 Start 11982
 Name OJ990923_08.9B08.C4.o1.gp
 Start 11982
 GI 2312838
 Exons 11982..12055
 GI Descrip. 1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence

Seq. ID OJ990923_08.9B08.C4
 Strand +
 End 12055
 Method AAT/GAP
 End 12055
 Score 76

Seq. No. 1798
 Gene No. 3719
 Start 8397
 Name OJ990923_08.9B08.C4.o3.gs
 Start 8397
 GI none
 Exons 8397..8618, 8700..9317

Seq. ID OJ990923_08.9B08.C4
 Strand -
 End 9317
 Method GENSCAN
 End 9317
 Score .6

Seq. No. 1798
 Gene No. 3720
 Start 9967
 Name OJ990923_08.9B08.C4.o4.gs
 Start 9967
 GI none
 Exons 9967..10401

Seq. ID OJ990923_08.9B08.C4
 Strand -
 End 10401
 Method GENSCAN
 End 10401
 Score .97

Seq. No. 1798
 Gene No. 3721
 Start 11133
 Name OJ990923_08.9B08.C4.o4.tm
 Start 79

Seq. ID OJ990923_08.9B08.C4
 Strand -
 End 19967
 Method TBLASTX:Maize
 End 477

GI	none	Score	260
Exons	79..429, 90..425, 427..477		
Seq. No.	1798	Seq. ID	OJ990923_08.9B08.C4
Gene No.	3721	Strand	-
Start	11133	End	19967
Name	OJ990923_08.9B08.C4.o5.tm	Method	TBLASTX:Maize
Start	2581	End	2928
GI	none	Score	263
Exons	2581..2928, 2688..2867		
Seq. No.	1798	Seq. ID	OJ990923_08.9B08.C4
Gene No.	3721	Strand	-
Start	11133	End	19967
Name	OJ990923_08.9B08.C4.o3.tm	Method	TBLASTX:Maize
Start	3019	End	3492
GI	none	Score	88
Exons	3019..3177, 3184..3399, 3189..3314, 3394..3492, 3396..3479		
Seq. No.	1798	Seq. ID	OJ990923_08.9B08.C4
Gene No.	3721	Strand	-
Start	11133	End	19967
Name	OJ990923_08.9B08.C4.o2.tm	Method	TBLASTX:Maize
Start	3492	End	4176
GI	none	Score	175
Exons	3492..3647, 3493..3687, 3505..3702, 3733..4176, 3738..4097		
Seq. No.	1798	Seq. ID	OJ990923_08.9B08.C4
Gene No.	3721	Strand	-
Start	11133	End	19967
Name	OJ990923_08.9B08.C4.o1.tw	Method	TBLASTX:Wheat
Start	3817	End	4263
GI	none	Score	223
Exons	3817..4113, 3819..4106, 4135..4182, 4186..4263		
Seq. No.	1798	Seq. ID	OJ990923_08.9B08.C4
Gene No.	3721	Strand	-
Start	11133	End	19967
Name	OJ990923_08.9B08.C4.o6.tm	Method	TBLASTX:Maize
Start	4240	End	4509
GI	none	Score	180
Exons	4240..4416, 4432..4509		
Seq. No.	1798	Seq. ID	OJ990923_08.9B08.C4
Gene No.	3721	Strand	-
Start	11133	End	19967
Name	OJ990923_08.9B08.C4.o7.tm	Method	TBLASTX:Maize
Start	4621	End	5172
GI	none	Score	91
Exons	4621..4731, 4741..4938, 4939..5172		
Seq. No.	1798	Seq. ID	OJ990923_08.9B08.C4
Gene No.	3721	Strand	-
Start	11133	End	19967
Name	OJ990923_08.9B08.C4.o5.gs	Method	GENSCAN
Start	11133	End	19967
GI	none	Score	.86

Exons 11133..11195, 11313..11458, 12429..12587, 12981..13038,
13363..13431, 14334..14432, 15360..15547, 15638..15833,
15934..16056, 16532..16652, 17071..17162, 18377..18488,
19403..19512, 19827..19967

Seq. No.	1798	Seq. ID	OJ990923_08.9B08.C4
Gene No.	3721	Strand	-
Start	11133	End	19967
Name	OJ990923_08.9B08.C4.o1.tm	Method	TBLASTX:Maize
Start	12405	End	19967
GI	none	Score	155

Exons 12405..12587, 12407..12589, 12428..12586, 12430..12588,
12979..13041, 12980..13090, 13656..13706, 13661..13705,
13689..13742, 14331..14429, 14334..14429, 15141..15212,
15141..15203, 15142..15216, 15145..15216, 15149..15223,
15360..15527, 15361..15516, 15361..15543, 15377..15544,
15522..15545, 15630..15833, 15637..15834, 15916..16056,
15928..16059, 15929..16060, 15932..16060, 16529..16654,
16530..16619, 16531..16659, 16532..16654, 17068..17163,
17070..17183, 17070..17168, 17722..17811, 17733..17822,
17737..17808, 17738..17830, 17739..17810, 18374..18490,
18378..18512, 19388..19537, 19400..19513, 19401..19514,
19402..19563, 19402..19542, 19785..19871, 19825..19875,
19899..19967, 19917..19955

Seq. No.	1798	Seq. ID	OJ990923_08.9B08.C4
Gene No.	3721	Strand	-
Start	11133	End	19967
Name	OJ990923_08.9B08.C4.o2.np	Method	AAT/NAP
Start	12421	End	19967
GI	3549678	Score	1504

Exons 12421..12587, 12981..13038, 13661..13741, 14334..14432,
15144..15215, 15360..15547, 15638..15817, 15930..16056,
16532..16652, 17071..17162, 18377..18488, 19403..19512,
19827..19967

GI Descrip. (AL031394) putative aspartate--tRNA ligase [Arabidopsis thaliana]

Seq. No.	1799	Seq. ID	OJ990923_08.9B08.C5
Gene No.	3722	Strand	+
Start	215	End	938
Name	OJ990923_08.9B08.C5.o1.gs	Method	GENSCAN
Start	215	End	938
GI	none	Score	.95

Exons 215..311, 415..938

Seq. No.	1799	Seq. ID	OJ990923_08.9B08.C5
Gene No.	3723	Strand	+
Start	4172	End	5977
Name	OJ990923_08.9B08.C5.o2.np	Method	AAT/NAP
Start	4014	End	4193
GI	5852078	Score	244

Exons 4014..4193
GI Descrip. (AL117264) zwh0001.1 [Oryza sativa]

Seq. No.	1799	Seq. ID	OJ990923_08.9B08.C5
Gene No.	3723	Strand	+

Start	4172	End	5977
Name	OJ990923_08.9B08.C5.o3.gs	Method	GENSCAN
Start	4172	End	5977
GI	none	Score	.75
Exons	4172..4193, 5029..5094, 5841..5977		

Seq. No.	1799	Seq. ID	OJ990923_08.9B08.C5
Gene No.	3724	Strand	-
Start	1665	End	2230
Name	OJ990923_08.9B08.C5.o1.gp	Method	AAT/GAP
Start	1472	End	2230
GI	705_1.R1084	Score	1286
Exons	1472..2230		
GI Descrip.	'1362184/pir S56685 2.0e-37 histone H2B-8 - wheat >gi_531058_dbj_BAA07157_ (D37943) protein H2B-8 [Triticum aestivum]'		

Seq. No.	1799	Seq. ID	OJ990923_08.9B08.C5
Gene No.	3724	Strand	-
Start	1665	End	2230
Name	OJ990923_08.9B08.C5.o2.gs	Method	GENSCAN
Start	1665	End	2132
GI	none	Score	.99
Exons	1665..2132		

Seq. No.	1799	Seq. ID	OJ990923_08.9B08.C5
Gene No.	3724	Strand	-
Start	1665	End	2230
Name	OJ990923_08.9B08.C5.o1.np	Method	AAT/NAP
Start	1668	End	2132
GI	3913804	Score	672
Exons	1668..2132		
GI Descrip.	HISTONE H2B.3 gi 577825 emb CAA49584 (X69960) H2B histone [Zea mays]		

Seq. No.	1799	Seq. ID	OJ990923_08.9B08.C5
Gene No.	3725	Strand	-
Start	4800	End	6672
Name	OJ990923_08.9B08.C5.o3.np	Method	AAT/NAP
Start	4800	End	6672
GI	6721512	Score	64
Exons	4800..4937, 4965..5066, 6626..6672		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	1799	Seq. ID	OJ990923_08.9B08.C5
Gene No.	3726	Strand	-
Start	6867	End	7049
Name	OJ990923_08.9B08.C5.o2.tc	Method	TBLASTX:Cress
Start	270	End	424
GI	none	Score	60
Exons	270..320, 272..424		

Seq. No.	1799	Seq. ID	OJ990923_08.9B08.C5
Gene No.	3726	Strand	-
Start	6867	End	7049
Name	OJ990923_08.9B08.C5.o2.tm	Method	TBLASTX:Maize
Start	317	End	445

GI	none	Score	189
Exons	317..445		
Seq. No.	1799	Seq. ID	OJ990923_08.9B08.C5
Gene No.	3726	Strand	-
Start	6867	End	7049
Name	OJ990923_08.9B08.C5.o1.ts	Method	TBLASTX:Soybean
Start	1623	End	1943
GI	none	Score	161
Exons	1623..1943, 1675..1782, 1852..1941		
Seq. No.	1799	Seq. ID	OJ990923_08.9B08.C5
Gene No.	3726	Strand	-
Start	6867	End	7049
Name	OJ990923_08.9B08.C5.o1.tm	Method	TBLASTX:Maize
Start	1646	End	1943
GI	none	Score	65
Exons	1646..1702, 1653..1943, 1675..1941		
Seq. No.	1799	Seq. ID	OJ990923_08.9B08.C5
Gene No.	3726	Strand	-
Start	6867	End	7049
Name	OJ990923_08.9B08.C5.o1.tc	Method	TBLASTX:Cress
Start	1665	End	1943
GI	none	Score	142
Exons	1665..1943, 1675..1782, 1852..1941		
Seq. No.	1799	Seq. ID	OJ990923_08.9B08.C5
Gene No.	3726	Strand	-
Start	6867	End	7049
Name	OJ990923_08.9B08.C5.o1.tw	Method	TBLASTX:Wheat
Start	1671	End	1943
GI	none	Score	177
Exons	1671..1943, 1675..1782, 1836..1943, 1849..1941, 1849..1941		
Seq. No.	1799	Seq. ID	OJ990923_08.9B08.C5
Gene No.	3726	Strand	-
Start	6867	End	7049
Name	OJ990923_08.9B08.C5.o4.gs	Method	GENSCAN
Start	6867	End	7049
GI	none	Score	.88
Exons	6867..7049		
Seq. No.	1800	Seq. ID	OJ990923_08.9B08.C6
Gene No.	3727	Strand	+
Start	89	End	2196
Name	OJ990923_08.9B08.C6.o1.ts	Method	TBLASTX:Soybean
Start	32	End	2196
GI	none	Score	161
Exons	32..466, 56..376, 128..586, 197..691, 311..796, 512..901, 578..901, 581..676, 617..907, 691..885, 722..916, 895..1215, 916..1284, 918..1043, 931..1425, 1036..1524, 1107..1283, 1488..1796, 1500..1724, 1527..1775, 1828..2154, 1849..2196, 1870..2196		
Seq. No.	1800	Seq. ID	OJ990923_08.9B08.C6
Gene No.	3727	Strand	+

Start	89	End	2196
Name	OJ990923_08.9B08.C6.o1.tc	Method	TBLASTX:Cress
Start	59	End	2192
GI	none	Score	166
Exons	59..418, 128..349, 146..514, 206..439, 359..559, 416..652, 485..838, 578..757, 590..901, 593..781, 647..844, 683..907, 785..907, 895..1083, 898..1254, 907..1047, 916..1152, 973..1275, 982..1188, 994..1365, 1045..1260, 1054..1461, 1110..1259, 1177..1398, 1500..1781, 1518..1781, 1614..1775, 1846..2022, 1846..1980, 1849..2082, 1885..2082, 1948..2046, 2103..2192		

Seq. No.	1800	Seq. ID	OJ990923_08.9B08.C6
Gene No.	3727	Strand	+
Start	89	End	2196
Name	OJ990923_08.9B08.C6.o1.gs	Method	GENSCAN
Start	89	End	1515
GI	none	Score	.77
Exons	89..881, 935..1515		

Seq. No.	1800	Seq. ID	OJ990923_08.9B08.C6
Gene No.	3727	Strand	+
Start	89	End	2196
Name	OJ990923_08.9B08.C6.o1.tm	Method	TBLASTX:Maize
Start	179	End	1949
GI	none	Score	70
Exons	179..313, 269..415, 374..517, 593..733, 593..709, 734..841, 943..1050, 1003..1149, 1004..1096, 1009..1146, 1010..1174, 1045..1155, 1113..1148, 1117..1263, 1129..1251, 1146..1259, 1149..1259, 1150..1260, 1635..1775, 1857..1949		

Seq. No.	1801	Seq. ID	OJ990923_08.9B08.C7
Gene No.	3728	Strand	+
Start	1	End	3582
Name	OJ990923_08.9B08.C7.o1.np	Method	AAT/NAP
Start	1	End	651
GI	107615	Score	145
Exons	1..222, 548..651		
GI Descrip.	ribosomal protein S15a.e - human gi 36142 emb CAA44568 (X62691) ribosomal protein homologous to yeast S24 [Homo sapiens]		

Seq. No.	1801	Seq. ID	OJ990923_08.9B08.C7
Gene No.	3728	Strand	+
Start	1	End	3582
Name	OJ990923_08.9B08.C7.o1.gs	Method	GENSCAN
Start	63	End	3582
GI	none	Score	.55
Exons	63..222, 540..578, 860..932, 1427..1549, 2032..2243, 2260..2545, 3327..3353, 3458..3582		

Seq. No.	1801	Seq. ID	OJ990923_08.9B08.C7
Gene No.	3729	Strand	+
Start	5395	End	5856
Name	OJ990923_08.9B08.C7.o2.gs	Method	GENSCAN
Start	5395	End	5856
GI	none	Score	.57
Exons	5395..5856		

Seq. No.	1801	Seq. ID	OJ990923_08.9B08.C7
Gene No.	3729	Strand	+
Start	5395	End	5856
Name	OJ990923_08.9B08.C7.o2.np	Method	AAT/NAP
Start	5395	End	5853
GI	3913804	Score	680
Exons	5395..5853		
GI Descrip.	HISTONE H2B.3 gi 577825 emb CAA49584 (X69960) H2B histone [Zea mays]		

Seq. No.	1801	Seq. ID	OJ990923_08.9B08.C7
Gene No.	3730	Strand	-
Start	5297	End	5857
Name	OJ990923_08.9B08.C7.o1.gp	Method	AAT/GAP
Start	5297	End	5857
GI	705_1.R1084	Score	992
Exons	5297..5857		
GI Descrip.	'1362184/pir S56685 2.0e-37 histone H2B-8 - wheat >gi_531058_dbj_BAA07157_ (D37943) protein H2B-8 [Triticum aestivum]'		

Seq. No.	1801	Seq. ID	OJ990923_08.9B08.C7
Gene No.	3731	Strand	-
Start	6904	End	7720
Name	OJ990923_08.9B08.C7.o1.tc	Method	TBLASTX:Cress
Start	5577	End	5856
GI	none	Score	388
Exons	5577..5669, 5581..5856, 5739..5852		

Seq. No.	1801	Seq. ID	OJ990923_08.9B08.C7
Gene No.	3731	Strand	-
Start	6904	End	7720
Name	OJ990923_08.9B08.C7.o1.tw	Method	TBLASTX:Wheat
Start	5577	End	5850
GI	none	Score	159
Exons	5577..5672, 5577..5672, 5581..5685, 5581..5850, 5739..5849		

Seq. No.	1801	Seq. ID	OJ990923_08.9B08.C7
Gene No.	3731	Strand	-
Start	6904	End	7720
Name	OJ990923_08.9B08.C7.o1.tm	Method	TBLASTX:Maize
Start	5577	End	5876
GI	none	Score	389
Exons	5577..5861, 5581..5856, 5823..5876		

Seq. No.	1801	Seq. ID	OJ990923_08.9B08.C7
Gene No.	3731	Strand	-
Start	6904	End	7720
Name	OJ990923_08.9B08.C7.o1.ts	Method	TBLASTX:Soybean
Start	5577	End	5856
GI	none	Score	387
Exons	5577..5669, 5581..5856, 5739..5852		

Seq. No.	1801	Seq. ID	OJ990923_08.9B08.C7
Gene No.	3731	Strand	-
Start	6904	End	7720
Name	OJ990923_08.9B08.C7.o3.gs	Method	GENSCAN

Start 6904
 GI none
 Exons 6904..7005, 7649..7720

End 7720
 Score .49

Seq. No. 1802 Seq. ID OJ990923_08.9B08.C8
 Gene No. 3732 Strand -
 Start 144 End 3398
 Name OJ990923_08.9B08.C8.o1.np Method AAT/NAP
 Start 144 End 3398
 GI 6522541 Score 1722
 Exons 144..283, 311..532, 676..1704, 1777..3398
 GI Descrip. (AL132955) receptor-kinase like protein [Arabidopsis thaliana]

Seq. No. 1802 Seq. ID OJ990923_08.9B08.C8
 Gene No. 3732 Strand -
 Start 144 End 3398
 Name OJ990923_08.9B08.C8.o3.tm Method TBLASTX:Maize
 Start 168 End 534
 GI none Score 97
 Exons 168..533, 337..534

Seq. No. 1802 Seq. ID OJ990923_08.9B08.C8
 Gene No. 3732 Strand -
 Start 144 End 3398
 Name OJ990923_08.9B08.C8.o2.ts Method TBLASTX:Soybean
 Start 360 End 1268
 GI none Score 93
 Exons 360..533, 427..534, 709..915, 769..918, 962..1045, 1050..1169, 1188..1268

Seq. No. 1802 Seq. ID OJ990923_08.9B08.C8
 Gene No. 3732 Strand -
 Start 144 End 3398
 Name OJ990923_08.9B08.C8.o1.tc Method TBLASTX:Cress
 Start 423 End 3236
 GI none Score 47
 Exons 423..533, 675..701, 733..912, 734..856, 959..1012, 972..1019, 1482..1952, 1530..1850, 1548..1952, 1548..1955, 1548..1946, 1551..1955, 1554..1952, 1554..1592, 1608..2120, 1608..1952, 1749..1952, 1818..1952, 1833..2030, 1905..2078, 1938..2210, 1959..2210, 1962..2138, 1971..2210, 1971..2210, 1972..2124, 1980..2120, 1980..2210, 1981..2346, 1984..2292, 2010..2189, 2097..2210, 2187..2327, 2328..2399, 2502..2642, 2502..2633, 2502..2645, 2502..2708, 2505..2636, 2505..2609, 2514..2864, 2514..2633, 2649..2924, 2652..2933, 2652..2924, 2658..2810, 2661..2924, 2715..2933, 2826..2924, 2928..3173, 2928..3083, 2931..2990, 2937..3206, 2940..3206, 2943..3206, 2952..3104, 2952..3206, 3009..3206, 3012..3236, 3036..3206, 3075..3206, 3117..3218

Seq. No. 1802 Seq. ID OJ990923_08.9B08.C8
 Gene No. 3732 Strand -
 Start 144 End 3398
 Name OJ990923_08.9B08.C8.o1.tm Method TBLASTX:Maize
 Start 731 End 1133
 GI none Score 171
 Exons 731..910, 736..912, 743..913, 744..911, 751..918, 959..1024,

959..1048, 963..1046, 1050..1133

Seq. No.	1802	Seq. ID	OJ990923_08.9B08.C8
Gene No.	3732	Strand	-
Start	144	End	3398
Name	OJ990923_08.9B08.C8.o1.ts	Method	TBLASTX:Soybean
Start	1480	End	3206
GI	none	Score	72
Exons	1480..1638, 1482..1952, 1482..1952, 1482..1808, 1491..1952, 1548..2009, 1554..1952, 1947..2210, 1959..2309, 1962..2150, 1980..2324, 1984..2310, 1989..2309, 1990..2076, 2053..2151, 2343..2453, 2649..2933, 2649..2933, 2649..2762, 2652..2924, 2652..2834, 2653..2817, 2733..2915, 2805..2930, 2943..3206, 2943..3206, 2943..3107, 2949..3206		

Seq. No.	1802	Seq. ID	OJ990923_08.9B08.C8
Gene No.	3732	Strand	-
Start	144	End	3398
Name	OJ990923_08.9B08.C8.o2.tm	Method	TBLASTX:Maize
Start	1482	End	3326
GI	none	Score	75
Exons	1482..1745, 1542..1955, 1548..1952, 1551..1883, 1554..1952, 1572..1952, 1719..1955, 1938..2348, 1956..2180, 1962..2210, 1962..2210, 1971..2309, 1984..2217, 2007..2324, 2200..2289, 2502..2618, 2502..2618, 2503..2607, 2646..2843, 2649..2915, 2650..2829, 2652..2924, 2823..2933, 2859..2909, 2937..3206, 2937..3062, 2943..3206, 2946..3191, 2973..3206, 3231..3326		

Seq. No.	1802	Seq. ID	OJ990923_08.9B08.C8
Gene No.	3732	Strand	-
Start	144	End	3398
Name	OJ990923_08.9B08.C8.o1.tw	Method	TBLASTX:Wheat
Start	1551	End	3149
GI	none	Score	217
Exons	1551..1673, 1554..1736, 1752..1838, 1755..2057, 1935..2165, 2085..2474, 2085..2456, 2087..2470, 2089..2490, 2104..2481, 2649..2858, 2682..3029, 2934..3149		

Seq. No.	1803	Seq. ID	OJ990923_08.9B08.C9
Gene No.	3733	Strand	+
Start	2456	End	6854
Name	OJ990923_08.9B08.C9.o1.gs	Method	GENSCAN
Start	2456	End	6639
GI	none	Score	.52
Exons	2456..3716, 5433..5479, 5830..6639		

Seq. No.	1803	Seq. ID	OJ990923_08.9B08.C9
Gene No.	3733	Strand	+
Start	2456	End	6854
Name	OJ990923_08.9B08.C9.o1.np	Method	AAT/NAP
Start	5199	End	5659
GI	133793	Score	123
Exons	5199..5341, 5443..5659		
GI Descrip.	40S RIBOSOMAL PROTEIN S15A (PPCB8) gi 99825 pir S20945 ribosomal protein S15a - rape gi 17863 emb CAA42599 (X59983) r-protein BnS15a [Brassica napus]		

Seq. No.	1803	Seq. ID	OJ990923_08.9B08.C9
Gene No.	3733	Strand	+
Start	2456	End	6854
Name	OJ990923_08.9B08.C9.o1.tw	Method	TBLASTX:Wheat
Start	6065	End	6633
GI	none	Score	58
Exons	6065..6130, 6360..6632, 6364..6468, 6364..6633, 6379..6468		
Seq. No.	1803	Seq. ID	OJ990923_08.9B08.C9
Gene No.	3733	Strand	+
Start	2456	End	6854
Name	OJ990923_08.9B08.C9.o2.np	Method	AAT/NAP
Start	6178	End	6636
GI	3913804	Score	679
Exons	6178..6636		
GI Descrip.	HISTONE H2B.3 gi 577825 emb CAA49584 (X69960) H2B histone [Zea mays]		
Seq. No.	1803	Seq. ID	OJ990923_08.9B08.C9
Gene No.	3733	Strand	+
Start	2456	End	6854
Name	OJ990923_08.9B08.C9.o1.gp	Method	AAT/GAP
Start	6267	End	6854
GI	705_11.R1084	Score	1112
Exons	6267..6854		
GI Descrip.	'4115373 2.0e-17 (AC005967) receptor-like protein kinase [Arabidopsis thaliana]'		
Seq. No.	1803	Seq. ID	OJ990923_08.9B08.C9
Gene No.	3733	Strand	+
Start	2456	End	6854
Name	OJ990923_08.9B08.C9.o1.tc	Method	TBLASTX:Cress
Start	6360	End	6660
GI	none	Score	432
Exons	6360..6629, 6364..6660		
Seq. No.	1803	Seq. ID	OJ990923_08.9B08.C9
Gene No.	3733	Strand	+
Start	2456	End	6854
Name	OJ990923_08.9B08.C9.o1.ts	Method	TBLASTX:Soybean
Start	6360	End	6660
GI	none	Score	427
Exons	6360..6629, 6364..6660		
Seq. No.	1803	Seq. ID	OJ990923_08.9B08.C9
Gene No.	3733	Strand	+
Start	2456	End	6854
Name	OJ990923_08.9B08.C9.o1.tm	Method	TBLASTX:Maize
Start	6360	End	6648
GI	none	Score	456
Exons	6360..6629, 6364..6648		
Seq. No.	1804	Seq. ID	OJ990923_08.9B08.C10
Gene No.	3734	Strand	+
Start	267	End	367
Name	OJ990923_08.9B08.C10.o1.np	Method	AAT/NAP
Start	267	End	367

GI 3549678 Score 96
 Exons 267..367
 GI Descrip. (AL031394) putative aspartate--tRNA ligase [Arabidopsis thaliana]

Seq. No. 1805 Seq. ID OJ990923_08.9B08.C12
 Gene No. 3735 Strand +
 Start 1 End 408
 Name OJ990923_08.9B08.C12.o1.np Method AAT/NAP
 Start 1 End 408
 GI 5042454 Score 74
 Exons 1..70, 353..408
 GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No. 1805 Seq. ID OJ990923_08.9B08.C12
 Gene No. 3736 Strand +
 Start 455 End 713
 Name OJ990923_08.9B08.C12.o1.gs Method GENSCAN
 Start 455 End 713
 GI none Score .57
 Exons 455..523, 657..713

Seq. No. 1805 Seq. ID OJ990923_08.9B08.C12
 Gene No. 3737 Strand +
 Start 657 End 752
 Name OJ990923_08.9B08.C12.o1.gp Method AAT/GAP
 Start 657 End 752
 GI none Score 130
 Exons 657..752

Seq. No. 1805 Seq. ID OJ990923_08.9B08.C12
 Gene No. 3738 Strand -
 Start 1 End 556
 Name OJ990923_08.9B08.C12.o2.np Method AAT/NAP
 Start 1 End 556
 GI 5922623 Score 63
 Exons 1..27, 482..556
 GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
 gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No. 1806 Seq. ID OJ990923_08.9B08.C13
 Gene No. 3739 Strand -
 Start 1 End 529
 Name OJ990923_08.9B08.C13.o1.np Method AAT/NAP
 Start 1 End 529
 GI 5042454 Score 180
 Exons 1..146, 199..306, 381..529
 GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No. 1807 Seq. ID OJ990923_08.9B08.C14
 Gene No. 3740 Strand -
 Start 1 End 709
 Name OJ990923_08.9B08.C14.o1.np Method AAT/NAP
 Start 1 End 709
 GI 6691716 Score 392
 Exons 1..185, 335..436, 511..709

GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein
[Oryza sativa]

Seq. No.	1807	Seq. ID	OJ990923_08.9B08.C14
Gene No.	3740	Strand	-
Start	1	End	709
Name	OJ990923_08.9B08.C14.o1.gs	Method	GENSCAN
Start	248	End	693
GI	none	Score	.55
Exons	248..357, 393..436, 511..693		

Seq. No.	1808	Seq. ID	OJ990923_08.9B08.C15
Gene No.	3741	Strand	+
Start	1	End	460
Name	OJ990923_08.9B08.C15.o1.np	Method	AAT/NAP
Start	1	End	460
GI	6721562	Score	536
Exons	1..460		

GI Descrip. (AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster;
hypothetical protein. (AF031569) [Oryza sativa]
gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa
alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza
sativa]

Seq. No.	1808	Seq. ID	OJ990923_08.9B08.C15
Gene No.	3741	Strand	+
Start	1	End	460
Name	OJ990923_08.9B08.C15.o1.gs	Method	GENSCAN
Start	29	End	433
GI	none	Score	.62
Exons	29..433		

Seq. No.	1809	Seq. ID	OJ990923_08.9B08.C16
Gene No.	3742	Strand	+
Start	290	End	1391
Name	OJ990923_08.9B08.C16.o1.gs	Method	GENSCAN
Start	290	End	1391
GI	none	Score	.87
Exons	290..1391		

Seq. No.	1809	Seq. ID	OJ990923_08.9B08.C16
Gene No.	3742	Strand	+
Start	290	End	1391
Name	OJ990923_08.9B08.C16.o1.np	Method	AAT/NAP
Start	388	End	1376
GI	5487873	Score	485
Exons	388..1376		
GI Descrip.	(AF110333) PrMC3 [Pinus radiata]		

Seq. No.	1809	Seq. ID	OJ990923_08.9B08.C16
Gene No.	3743	Strand	+
Start	14032	End	18789
Name	OJ990923_08.9B08.C16.o2.np	Method	AAT/NAP
Start	14032	End	18789
GI	6498441	Score	2674
Exons	14032..15093, 15424..15887, 15951..16267, 18769..18789		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	1809	Seq. ID	OJ990923_08.9B08.C16
Gene No.	3744	Strand	-
Start	2485	End	3343
Name	OJ990923_08.9B08.C16.o2.gs	Method	GENSCAN
Start	2485	End	3343
GI	none	Score	.62
Exons	2485..2565, 2666..3343		

Seq. No.	1809	Seq. ID	OJ990923_08.9B08.C16
Gene No.	3745	Strand	-
Start	5049	End	9371
Name	OJ990923_08.9B08.C16.o3.gs	Method	GENSCAN
Start	5049	End	9371
GI	none	Score	.53
Exons	5049..5189, 5264..5533, 5555..5644, 6629..6799, 6828..6943, 7004..7056, 8708..8793, 9306..9371		

Seq. No.	1809	Seq. ID	OJ990923_08.9B08.C16
Gene No.	3746	Strand	-
Start	10499	End	11365
Name	OJ990923_08.9B08.C16.o4.gs	Method	GENSCAN
Start	10499	End	11365
GI	none	Score	.77
Exons	10499..10579, 10683..10976, 10982..11365		

Seq. No.	1809	Seq. ID	OJ990923_08.9B08.C16
Gene No.	3747	Strand	-
Start	16347	End	18789
Name	OJ990923_08.9B08.C16.o1.tm	Method	TBLASTX:Maize
Start	371	End	803
GI	none	Score	80
Exons	371..454, 402..482, 513..572, 513..590, 606..740, 608..748, 738..803, 738..803		

Seq. No.	1809	Seq. ID	OJ990923_08.9B08.C16
Gene No.	3747	Strand	-
Start	16347	End	18789
Name	OJ990923_08.9B08.C16.o3.tw	Method	TBLASTX:Wheat
Start	395	End	782
GI	none	Score	72
Exons	395..454, 402..491, 507..572, 507..590, 517..591, 605..781, 606..782		

Seq. No.	1809	Seq. ID	OJ990923_08.9B08.C16
Gene No.	3747	Strand	-
Start	16347	End	18789
Name	OJ990923_08.9B08.C16.o1.ts	Method	TBLASTX:Soybean
Start	402	End	1357
GI	none	Score	70
Exons	402..491, 513..812, 632..775, 819..923, 968..1036, 969..1034, 1047..1139, 1049..1135, 1194..1340, 1235..1336, 1331..1357		

Seq. No.	1809	Seq. ID	OJ990923_08.9B08.C16
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Gene No.	3747	Strand	-
Start	16347	End	18789
Name	OJ990923_08.9B08.C16.o1.tc	Method	TBLASTX:Cress
Start	609	End	1118
GI	none	Score	146
Exons	609..809, 677..790, 852..926, 969..1022, 1050..1118		
Seq. No.	1809	Seq. ID	OJ990923_08.9B08.C16
Gene No.	3747	Strand	-
Start	16347	End	18789
Name	OJ990923_08.9B08.C16.o2.tm	Method	TBLASTX:Maize
Start	819	End	1139
GI	none	Score	101
Exons	819..911, 968..1051, 969..1049, 1068..1139, 1076..1135		
Seq. No.	1809	Seq. ID	OJ990923_08.9B08.C16
Gene No.	3747	Strand	-
Start	16347	End	18789
Name	OJ990923_08.9B08.C16.o5.tw	Method	TBLASTX:Wheat
Start	2506	End	11014
GI	none	Score	74
Exons	2506..2568, 2510..2587, 2666..2719, 2666..2722, 2753..2818, 2757..2813, 2774..2818, 2822..2956, 2889..2936, 5130..5192, 5263..5301, 5264..5323, 5264..5323, 5342..5443, 5343..5420, 5344..5448, 6254..6301, 9237..9281, 9319..9393, 9321..9392, 10520..10582, 10682..10723, 10683..10754, 10683..10736, 10773..10850, 10774..10851, 10776..10868, 10906..10986, 10964..11014		
Seq. No.	1809	Seq. ID	OJ990923_08.9B08.C16
Gene No.	3747	Strand	-
Start	16347	End	18789
Name	OJ990923_08.9B08.C16.o2.tw	Method	TBLASTX:Wheat
Start	14180	End	14572
GI	none	Score	58
Exons	14180..14227, 14234..14332, 14251..14331, 14299..14460, 14315..14572		
Seq. No.	1809	Seq. ID	OJ990923_08.9B08.C16
Gene No.	3747	Strand	-
Start	16347	End	18789
Name	OJ990923_08.9B08.C16.o3.tm	Method	TBLASTX:Maize
Start	14185	End	14470
GI	none	Score	193
Exons	14185..14469, 14222..14470		
Seq. No.	1809	Seq. ID	OJ990923_08.9B08.C16
Gene No.	3747	Strand	-
Start	16347	End	18789
Name	OJ990923_08.9B08.C16.o1.tw	Method	TBLASTX:Wheat
Start	15308	End	16079
GI	none	Score	402
Exons	15308..15445, 15309..15791, 15503..15763, 15882..16079, 15882..16064, 15935..16078		
Seq. No.	1809	Seq. ID	OJ990923_08.9B08.C16
Gene No.	3747	Strand	-

Start 16347
 Name OJ990923_08.9B08.C16.o4.tw
 Start 16080
 GI none
 Exons 16080..16262, 16082..16261

End 18789
 Method TBLASTX:Wheat
 End 16262
 Score 221

Seq. No. 1809
 Gene No. 3747
 Start 16347
 Name OJ990923_08.9B08.C16.o4.tm
 Start 16089
 GI none
 Exons 16089..16262, 16124..16261

Seq. ID OJ990923_08.9B08.C16
 Strand -
 End 18789
 Method TBLASTX:Maize
 End 16262
 Score 184

Seq. No. 1809
 Gene No. 3747
 Start 16347
 Name OJ990923_08.9B08.C16.o6.gs
 Start 16347
 GI none
 Exons 16347..18650

Seq. ID OJ990923_08.9B08.C16
 Strand -
 End 18789
 Method GENSCAN
 End 18650
 Score .57

Seq. No. 1809
 Gene No. 3747
 Start 16347
 Name OJ990923_08.9B08.C16.o3.np
 Start 16350
 GI 6907089
 Exons 16350..18186, 18286..18789

Seq. ID OJ990923_08.9B08.C16
 Strand -
 End 18789
 Method AAT/NAP
 End 18789
 Score 2839

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No. 1810
 Gene No. 3748
 Start 300
 Name OJ990923_08.9B08.C17.o1.gs
 Start 300
 GI none
 Exons 300..436, 670..801, 1180..1246

Seq. ID OJ990923_08.9B08.C17
 Strand +
 End 1246
 Method GENSCAN
 End 1246
 Score .62

Seq. No. 1810
 Gene No. 3749
 Start 1
 Name OJ990923_08.9B08.C17.o1.np
 Start 1
 GI 6539586
 Exons 1..391

Seq. ID OJ990923_08.9B08.C17
 Strand -
 End 1254
 Method AAT/NAP
 End 391
 Score 569

GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. No. 1810
 Gene No. 3749
 Start 1
 Name OJ990923_08.9B08.C17.o2.np
 Start 1
 GI 5922623
 Exons 1..28, 1173..1254

Seq. ID OJ990923_08.9B08.C17
 Strand -
 End 1254
 Method AAT/NAP
 End 1254
 Score 72

GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
 gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein

[Oryza sativa]

Seq. No.	1811	Seq. ID	OJ990923_08.9B08.C18
Gene No.	3750	Strand	+
Start	1	End	10213
Name	OJ990923_08.9B08.C18.o1.np	Method	AAT/NAP
Start	1	End	10213
GI	5042454	Score	99
Exons	1..40, 367..473, 10176..10213		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	1811	Seq. ID	OJ990923_08.9B08.C18
Gene No.	3750	Strand	+
Start	1	End	10213
Name	OJ990923_08.9B08.C18.o2.gs	Method	GENSCAN
Start	5313	End	8762
GI	none	Score	.51
Exons	5313..5477, 6772..7353, 7452..7523, 8715..8762		

Seq. No.	1811	Seq. ID	OJ990923_08.9B08.C18
Gene No.	3750	Strand	+
Start	1	End	10213
Name	OJ990923_08.9B08.C18.o1.gp	Method	AAT/GAP
Start	5395	End	7072
GI	3761716	Score	864
Exons	5395..5475, 6694..7072		

Seq. No.	1811	Seq. ID	OJ990923_08.9B08.C18
Gene No.	3750	Strand	+
Start	1	End	10213
Name	OJ990923_08.9B08.C18.o2.gp	Method	AAT/GAP
Start	7436	End	7784
GI	3761717	Score	603
Exons	7436..7784		

Seq. No.	1811	Seq. ID	OJ990923_08.9B08.C18
Gene No.	3751	Strand	-
Start	1421	End	4071
Name	OJ990923_08.9B08.C18.o1.gs	Method	GENSCAN
Start	1421	End	4071
GI	none	Score	.54
Exons	1421..1506, 1871..1972, 2026..2091, 3221..3281, 3397..4071		

Seq. No.	1812	Seq. ID	OJ990923_08.9B08.C19
Gene No.	3752	Strand	+
Start	1	End	3301
Name	OJ990923_08.9B08.C19.o1.gp	Method	AAT/GAP
Start	1	End	555
GI	2799823	Score	757
Exons	1..271, 381..555		
GI Descrip.	2293479/gb AF011331 AF011331 5.0e-11 Oryza sativa glycine-rich protein mRNA, complete cds		

Seq. No.	1812	Seq. ID	OJ990923_08.9B08.C19
Gene No.	3752	Strand	+
Start	1	End	3301
Name	OJ990923_08.9B08.C19.o1.gs	Method	GENSCAN

Start 125
 GI none
 Exons 125..271, 381..470, 2924..3301

End 3301
 Score .88

Seq. No. 1812
 Gene No. 3753
 Start 4143
 Name OJ990923_08.9B08.C19.o2.gs
 Start 4143
 GI none
 Exons 4143..4760, 4876..4983

Seq. ID OJ990923_08.9B08.C19
 Strand +
 End 4983
 Method GENSCAN
 End 4983
 Score .79

Seq. No. 1812
 Gene No. 3754
 Start 6958
 Name OJ990923_08.9B08.C19.o2.np
 Start 6958
 GI 4680183
 Exons 6958..9057
 GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. ID OJ990923_08.9B08.C19
 Strand +
 End 9057
 Method AAT/NAP
 End 9057
 Score 2741

Seq. No. 1812
 Gene No. 3754
 Start 6958
 Name OJ990923_08.9B08.C19.o3.gs
 Start 6958
 GI none
 Exons 6958..9019

Seq. ID OJ990923_08.9B08.C19
 Strand +
 End 9057
 Method GENSCAN
 End 9019
 Score .87

Seq. No. 1812
 Gene No. 3754
 Start 6958
 Name OJ990923_08.9B08.C19.o1.tw
 Start 8256
 GI none
 Exons 8256..8564, 8257..8658

Seq. ID OJ990923_08.9B08.C19
 Strand +
 End 9057
 Method TBLASTX:Wheat
 End 8658
 Score 268

Seq. No. 1813
 Gene No. 3755
 Start 259
 Name OJ990923_08.9B08.C20.o1.np
 Start 259
 GI 3549678
 Exons 259..362
 GI Descrip. (AL031394) putative aspartate--tRNA ligase [Arabidopsis thaliana]

Seq. ID OJ990923_08.9B08.C20
 Strand -
 End 362
 Method AAT/NAP
 End 362
 Score 72

Seq. No. 1814
 Gene No. 3756
 Start 66
 Name OJ990923_05.9B16.C1.o1.gs
 Start 66
 GI none
 Exons 66..194

Seq. ID OJ990923_05.9B16.C1
 Strand -
 End 194
 Method GENSCAN
 End 194
 Score .5

Seq. No. 1815
 Gene No. 3757

Seq. ID OJ990923_05.9B16.C2
 Strand +

Start	8360	End	8738
Name	OJ990923_05.9B16.C2.o1.gp	Method	AAT/GAP
Start	8360	End	8738
GI	2311430	Score	714
Exons	8360..8738		

Seq. No.	1815	Seq. ID	OJ990923_05.9B16.C2
Gene No.	3758	Strand	+
Start	13493	End	19778
Name	OJ990923_05.9B16.C2.o3.np	Method	AAT/NAP
Start	13115	End	15218
GI	4406801	Score	346
Exons	13115..13189, 13610..13771, 14662..14813, 15032..15218		
GI Descrip.	(AC006304) unknown protein [Arabidopsis thaliana]		

Seq. No.	1815	Seq. ID	OJ990923_05.9B16.C2
Gene No.	3758	Strand	+
Start	13493	End	19778
Name	OJ990923_05.9B16.C2.o3.gs	Method	GENSCAN
Start	13493	End	19778
GI	none	Score	.66
Exons	13493..13871, 13964..14037, 14662..14802, 15096..15208, 15621..15753, 16475..16613, 16690..16789, 17135..17225, 17384..17461, 17540..17637, 18136..18235, 18790..19095, 19741..19778		

Seq. No.	1815	Seq. ID	OJ990923_05.9B16.C2
Gene No.	3758	Strand	+
Start	13493	End	19778
Name	OJ990923_05.9B16.C2.o2.gp	Method	AAT/GAP
Start	17522	End	18985
GI	LIB3432-017-P1-K1-B3	Score	835
Exons	17522..17636, 18085..18235, 18790..18985		
GI Descrip.	'4589536/dbj BAA76790.1 1.0e-11 (AB023163) KIAA0946 protein [Homo sapiens]'		

Seq. No.	1815	Seq. ID	OJ990923_05.9B16.C2
Gene No.	3759	Strand	-
Start	19184	End	19697
Name	OJ990923_05.9B16.C2.o1.tc	Method	TBLASTX:Cress
Start	13601	End	15672
GI	none	Score	239
Exons	13601..13771, 14659..14802, 14661..14804, 14661..14801, 15589..15672		

Seq. No.	1815	Seq. ID	OJ990923_05.9B16.C2
Gene No.	3759	Strand	-
Start	19184	End	19697
Name	OJ990923_05.9B16.C2.o2.ts	Method	TBLASTX:Soybean
Start	13601	End	15672
GI	none	Score	256
Exons	13601..13771, 13681..13770, 14659..14769, 14661..14768, 15589..15672		

Seq. No.	1815	Seq. ID	OJ990923_05.9B16.C2
Gene No.	3759	Strand	-
Start	19184	End	19697

Name	OJ990923_05.9B16.C2.o2.tm	Method	TBLASTX:Maize
Start	14623	End	16586
GI	none	Score	69
Exons	14623..14769, 14659..14802, 14659..14802, 14661..14804, 14665..14781, 15093..15209, 15094..15219, 15094..15213, 15364..15444, 15366..15446, 15366..15446, 15367..15447, 15587..15748, 15588..15695, 15588..15764, 15589..15672, 15589..15753, 16459..16584, 16475..16585, 16476..16586		

Seq. No.	1815	Seq. ID	OJ990923_05.9B16.C2
Gene No.	3759	Strand	-
Start	19184	End	19697
Name	OJ990923_05.9B16.C2.o3.ts	Method	TBLASTX:Soybean
Start	15097	End	17968
GI	none	Score	194
Exons	15097..15213, 15099..15209, 15364..15441, 15366..15443, 15366..15446, 15367..15447, 15673..15753, 15675..15752, 16459..16620, 16478..16609, 16671..16781, 16709..16786, 17360..17458, 17383..17460, 17408..17464, 17530..17640, 17537..17638, 17538..17642, 17915..17968		

Seq. No.	1815	Seq. ID	OJ990923_05.9B16.C2
Gene No.	3759	Strand	-
Start	19184	End	19697
Name	OJ990923_05.9B16.C2.o2.tc	Method	TBLASTX:Cress
Start	16528	End	18930
GI	none	Score	79
Exons	16528..16605, 16535..16609, 16707..16790, 16721..16792, 16725..16793, 17148..17225, 17381..17458, 17383..17484, 17408..17464, 17530..17640, 17537..17638, 17915..18004, 17917..17997, 18074..18184, 18786..18839, 18787..18837, 18837..18899, 18838..18897, 18892..18930		

Seq. No.	1815	Seq. ID	OJ990923_05.9B16.C2
Gene No.	3759	Strand	-
Start	19184	End	19697
Name	OJ990923_05.9B16.C2.o3.tm	Method	TBLASTX:Maize
Start	16589	End	18010
GI	none	Score	49
Exons	16589..16621, 16674..16790, 16674..16790, 16684..16791, 17142..17225, 17165..17227, 17383..17460, 17385..17465, 17408..17464, 17528..17638, 17530..17640, 17547..17642, 17915..18010, 17917..18003		

Seq. No.	1815	Seq. ID	OJ990923_05.9B16.C2
Gene No.	3759	Strand	-
Start	19184	End	19697
Name	OJ990923_05.9B16.C2.o1.tw	Method	TBLASTX:Wheat
Start	16673	End	18181
GI	none	Score	117
Exons	16673..16789, 16680..16790, 16680..16790, 16688..16792, 17142..17225, 17164..17235, 17383..17460, 17386..17463, 17408..17464, 17528..17638, 17528..17635, 17530..17640, 17541..17642, 17915..18001, 17917..17997, 18071..18181, 18080..18181		

Seq. No.	1815	Seq. ID	OJ990923_05.9B16.C2
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Gene No.	3759	Strand	-
Start	19184	End	19697
Name	OJ990923_05.9B16.C2.ol.ts	Method	TBLASTX:Soybean
Start	18080	End	19184
GI	none	Score	82
Exons	18080..18184, 18786..18929, 18787..19002, 18787..18996, 18839..18997, 19035..19052, 19122..19184		

Seq. No.	1815	Seq. ID	OJ990923_05.9B16.C2
Gene No.	3759	Strand	-
Start	19184	End	19697
Name	OJ990923_05.9B16.C2.ol.tm	Method	TBLASTX:Maize
Start	18137	End	19154
GI	none	Score	433
Exons	18137..18238, 18786..18929, 18787..19065, 18818..19153, 18824..19153, 18999..19154		

Seq. No.	1815	Seq. ID	OJ990923_05.9B16.C2
Gene No.	3759	Strand	-
Start	19184	End	19697
Name	OJ990923_05.9B16.C2.o3.gp	Method	AAT/GAP
Start	19184	End	19697
GI	none	Score	1024
Exons	19184..19697		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3760	Strand	+
Start	528	End	8454
Name	OJ990923_05.9B16.C3.ol.gs	Method	GENSCAN
Start	528	End	8454
GI	none	Score	.74
Exons	528..656, 1034..1061, 1141..1241, 3017..3099, 3186..3258, 4027..4069, 4851..4990, 5129..5341, 5648..5732, 5809..6103, 7106..7361, 7488..7701, 7952..8163, 8305..8454		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3760	Strand	+
Start	528	End	8454
Name	OJ990923_05.9B16.C3.ol.np	Method	AAT/NAP
Start	528	End	8451
GI	4325344	Score	2810
Exons	528..656, 1034..1065, 1124..1241, 1607..1810, 1911..2154, 2473..2648, 3017..3099, 3186..3258, 3881..3946, 4027..4069, 4851..5032, 5129..5341, 5648..5732, 5809..6103, 7106..7361, 7488..7701, 7952..8163, 8305..8451		

GI Descrip. (AF128393) similar to beta-transducins (Pfam: PF00400, Score=71.7, E=1.5e-17, N=6) [Arabidopsis thaliana]

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3760	Strand	+
Start	528	End	8454
Name	OJ990923_05.9B16.C3.ol.gp	Method	AAT/GAP
Start	5920	End	7367
GI	LIB3432-029-P1-K1-A9	Score	819
Exons	5920..6103, 7106..7367		
GI Descrip.	'4325344/gb AAD17343 2.0e-47 (AF128393) similar to beta-transducins (Pfam: PF00400, Score=71.7, E=1.5e-17, N=6)		

[Arabidopsis thaliana]'

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3760	Strand	+
Start	528	End	8454
Name	OJ990923_05.9B16.C3.o2.gp	Method	AAT/GAP
Start	7577	End	8442
GI	LIB3434-038-P1-K1-C6	Score	820
Exons	7577..7701, 7952..8163, 8305..8442		
GI Descrip.	'4325344/gb AAD17343 2.0e-34 (AF128393) similar to beta-transducins (Pfam: PF00400, Score=71.7, E=1.5e-17, N=6) [Arabidopsis thaliana]'		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3761	Strand	+
Start	10922	End	22019
Name	OJ990923_05.9B16.C3.o4.np	Method	AAT/NAP
Start	10922	End	22019
GI	6649242	Score	175
Exons	10922..11014, 15185..15279, 16269..16488, 19502..19976, 20022..20433, 21999..22019		
GI Descrip.	(AF201422) splicing coactivator subunit SRm300 [Homo sapiens]		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3761	Strand	+
Start	10922	End	22019
Name	OJ990923_05.9B16.C3.o4.gs	Method	GENSCAN
Start	15762	End	16782
GI	none	Score	.43
Exons	15762..15856, 16038..16782		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3761	Strand	+
Start	10922	End	22019
Name	OJ990923_05.9B16.C3.o5.gs	Method	GENSCAN
Start	17820	End	18158
GI	none	Score	.67
Exons	17820..18158		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3762	Strand	-
Start	8743	End	8955
Name	OJ990923_05.9B16.C3.o3.gp	Method	AAT/GAP
Start	8743	End	8955
GI	none	Score	426
Exons	8743..8955		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3763	Strand	-
Start	9684	End	11144
Name	OJ990923_05.9B16.C3.o2.gs	Method	GENSCAN
Start	9684	End	11144
GI	none	Score	.98
Exons	9684..11144		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3763	Strand	-

Start	9684	End	11144
Name	OJ990923_05.9B16.C3.o2.np	Method	AAT/NAP
Start	9687	End	11144
GI	6730737	Score	1468
Exons	9687..11144		
GI Descrip.	(AC018849) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3763	Strand	-
Start	9684	End	11144
Name	OJ990923_05.9B16.C3.o4.gp	Method	AAT/GAP
Start	9856	End	10234
GI	LIB3433-025-P1-K1-A12	Score	709
Exons	9856..10234		
GI Descrip.	'4586058/gb AAD25676.1 AC007020_18 2.0e-22 (AC007020) unknown protein [Arabidopsis thaliana]'		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3764	Strand	-
Start	13185	End	15481
Name	OJ990923_05.9B16.C3.o3.gs	Method	GENSCAN
Start	13185	End	15481
GI	none	Score	.94
Exons	13185..13341, 13421..13527, 13607..13673, 13760..13875, 14124..14195, 14306..14379, 15382..15481		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3764	Strand	-
Start	13185	End	15481
Name	OJ990923_05.9B16.C3.o3.np	Method	AAT/NAP
Start	13420	End	14488
GI	3047065	Score	316
Exons	13420..13527, 13607..13694, 14124..14195, 14306..14488		
GI Descrip.	(AF058825) contains similarity to human OS-9 precursor (GB:U41635) [Arabidopsis thaliana]		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3765	Strand	-
Start	19129	End	20719
Name	OJ990923_05.9B16.C3.o3.ts	Method	TBLASTX:Soybean
Start	2471	End	3246
GI	none	Score	264
Exons	2471..2668, 2472..2651, 3014..3100, 3016..3096, 3184..3246, 3197..3244		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3765	Strand	-
Start	19129	End	20719
Name	OJ990923_05.9B16.C3.o1.tc	Method	TBLASTX:Cress
Start	3183	End	6101
GI	none	Score	108
Exons	3183..3260, 3184..3258, 3186..3260, 3878..3946, 4021..4068, 4843..4989, 4850..4990, 4851..4991, 4866..4994, 4867..4992, 5123..5236, 5126..5344, 5140..5343, 5641..5733, 5642..5734, 5787..6101, 5807..6100		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
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Gene No.	3765	Strand	-
Start	19129	End	20719
Name	OJ990923_05.9B16.C3.o6.tm	Method	TBLASTX:Maize
Start	7331	End	7701
GI	none	Score	46
Exons	7331..7363, 7332..7364, 7482..7700, 7486..7701		
Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3765	Strand	-
Start	19129	End	20719
Name	OJ990923_05.9B16.C3.o4.ts	Method	TBLASTX:Soybean
Start	7952	End	8444
GI	none	Score	58
Exons	7952..8035, 7954..8082, 7956..7991, 8029..8169, 8030..8161, 8040..8177, 8302..8442, 8302..8442, 8304..8444		
Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3765	Strand	-
Start	19129	End	20719
Name	OJ990923_05.9B16.C3.o5.tm	Method	TBLASTX:Maize
Start	8041	End	8450
GI	none	Score	187
Exons	8041..8169, 8046..8162, 8056..8172, 8302..8442, 8304..8450, 8304..8450		
Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3765	Strand	-
Start	19129	End	20719
Name	OJ990923_05.9B16.C3.o1.tm	Method	TBLASTX:Maize
Start	9777	End	10208
GI	none	Score	466
Exons	9777..10208, 9814..10206, 9896..10207		
Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3765	Strand	-
Start	19129	End	20719
Name	OJ990923_05.9B16.C3.o2.tc	Method	TBLASTX:Cress
Start	9814	End	10928
GI	none	Score	83
Exons	9814..9921, 9816..9950, 9990..10247, 10014..10172, 10254..10604, 10254..10418, 10485..10652, 10611..10928, 10612..10908		
Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3765	Strand	-
Start	19129	End	20719
Name	OJ990923_05.9B16.C3.o1.ts	Method	TBLASTX:Soybean
Start	9816	End	10919
GI	none	Score	87
Exons	9816..9965, 9927..10247, 9978..10172, 10156..10221, 10260..10595, 10272..10595, 10656..10919, 10722..10907, 10762..10908		
Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3765	Strand	-
Start	19129	End	20719
Name	OJ990923_05.9B16.C3.o4.tm	Method	TBLASTX:Maize
Start	10608	End	10931

GI	none	Score	205
Exons	10608..10931, 10609..10908, 10620..10910		
Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3765	Strand	-
Start	19129	End	20719
Name	OJ990923_05.9B16.C3.o1.tw	Method	TBLASTX:Wheat
Start	13116	End	13664
GI	none	Score	36
Exons	13116..13145, 13182..13268, 13183..13236, 13230..13286, 13230..13289, 13260..13340, 13278..13337, 13300..13341, 13418..13528, 13419..13532, 13420..13536, 13421..13564, 13604..13663, 13605..13664		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3765	Strand	-
Start	19129	End	20719
Name	OJ990923_05.9B16.C3.o2.tm	Method	TBLASTX:Maize
Start	13184	End	13891
GI	none	Score	63
Exons	13184..13273, 13184..13273, 13230..13337, 13230..13340, 13231..13341, 13418..13528, 13419..13532, 13419..13529, 13420..13530, 13421..13564, 13604..13675, 13605..13676, 13744..13875, 13856..13891		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3765	Strand	-
Start	19129	End	20719
Name	OJ990923_05.9B16.C3.o2.ts	Method	TBLASTX:Soybean
Start	13410	End	14419
GI	none	Score	58
Exons	13410..13529, 13418..13528, 13420..13530, 13421..13564, 13604..13675, 13605..13676, 13759..13878, 14121..14234, 14122..14205, 14306..14419		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3765	Strand	-
Start	19129	End	20719
Name	OJ990923_05.9B16.C3.o3.tm	Method	TBLASTX:Maize
Start	14148	End	14998
GI	none	Score	70
Exons	14148..14195, 14148..14198, 14306..14506, 14306..14506, 14895..14981, 14901..14987, 14902..14982, 14903..14998		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3765	Strand	-
Start	19129	End	20719
Name	OJ990923_05.9B16.C3.o5.np	Method	AAT/NAP
Start	19129	End	20719
GI	6522551	Score	58
Exons	19129..19151, 20398..20580, 20677..20719		
GI Descrip.	(AL132967) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	1816	Seq. ID	OJ990923_05.9B16.C3
Gene No.	3765	Strand	-
Start	19129	End	20719
Name	OJ990923_05.9B16.C3.o6.gs	Method	GENSCAN

Start 19427
 GI none
 Exons 19427..20692

End 20692
 Score 1

Seq. No. 1817
 Gene No. 3766
 Start 97
 Name OJ990923_05.9B16.C4.o1.gs
 Start 97
 GI none
 Exons 97..185, 2383..2502, 2653..2805, 3616..3753

Seq. ID OJ990923_05.9B16.C4
 Strand -
 End 3753
 Method GENSCAN
 End 3753
 Score .65

Seq. No. 1818
 Gene No. 3767
 Start 79
 Name OJ990923_05.9B16.C5.o1.gs
 Start 79
 GI none
 Exons 79..107, 1975..2142, 2154..2327, 2534..2777, 2792..3725, 4265..4408, 5155..5351, 6019..6181, 6498..6611, 6992..7139, 7689..7780, 8094..8252, 8428..8517, 8896..8904

Seq. ID OJ990923_05.9B16.C5
 Strand +
 End 8904
 Method GENSCAN
 End 8904
 Score .46

Seq. No. 1818
 Gene No. 3767
 Start 79
 Name OJ990923_05.9B16.C5.o1.tm
 Start 3180
 GI none
 Exons 3180..3263, 3192..3548, 3206..3547

Seq. ID OJ990923_05.9B16.C5
 Strand +
 End 8904
 Method TBLASTX:Maize
 End 3548
 Score 601

Seq. No. 1818
 Gene No. 3767
 Start 79
 Name OJ990923_05.9B16.C5.o1.np
 Start 3192
 GI 4538961
 Exons 3192..3725, 4119..4184, 4265..4408, 5155..5351, 6019..6189, 6503..6611, 7042..7139, 7702..7780, 8094..8252, 8428..8517
 GI Descrip. (AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]

Seq. ID OJ990923_05.9B16.C5
 Strand +
 End 8904
 Method AAT/NAP
 End 8517
 Score 1890

Seq. No. 1818
 Gene No. 3767
 Start 79
 Name OJ990923_05.9B16.C5.o1.ts
 Start 3192
 GI none
 Exons 3192..3728, 3192..3260, 3203..3730, 3339..3734, 4116..4184

Seq. ID OJ990923_05.9B16.C5
 Strand +
 End 8904
 Method TBLASTX:Soybean
 End 4184
 Score 756

Seq. No. 1818
 Gene No. 3767
 Start 79
 Name OJ990923_05.9B16.C5.o1.tw
 Start 4267
 GI none
 Exons 4267..4410, 4268..4411, 4269..4415, 5086..5205, 5152..5256

Seq. ID OJ990923_05.9B16.C5
 Strand +
 End 8904
 Method TBLASTX:Wheat
 End 5256
 Score 225

Seq. No.	1818	Seq. ID	OJ990923_05.9B16.C5
Gene No.	3767	Strand	+
Start	79	End	8904
Name	OJ990923_05.9B16.C5.o1.gp	Method	AAT/GAP
Start	6127	End	8163
GI	uC-osroM202014h10b1	Score	720
Exons	6127..6181, 6498..6611, 7042..7139, 7702..7780, 8094..8163		
GI Descrip.	'4538961/emb CAB39785.1 3.0e-52 (AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]'		

Seq. No.	1818	Seq. ID	OJ990923_05.9B16.C5
Gene No.	3767	Strand	+
Start	79	End	8904
Name	OJ990923_05.9B16.C5.o2.tm	Method	TBLASTX:Maize
Start	6507	End	8537
GI	none	Score	130
Exons	6507..6656, 6519..6611, 7039..7140, 7039..7140, 7041..7142, 7702..7782, 7703..7780, 8088..8255, 8093..8254, 8425..8532, 8427..8537		

Seq. No.	1818	Seq. ID	OJ990923_05.9B16.C5
Gene No.	3767	Strand	+
Start	79	End	8904
Name	OJ990923_05.9B16.C5.o2.ts	Method	TBLASTX:Soybean
Start	7108	End	8225
GI	none	Score	62
Exons	7108..7140, 7702..7782, 7703..7780, 8088..8225, 8093..8218		

Seq. No.	1819	Seq. ID	OJ990923_05.9B16.C6
Gene No.	3768	Strand	+
Start	1	End	1204
Name	OJ990923_05.9B16.C6.o1.np	Method	AAT/NAP
Start	1	End	1204
GI	4538961	Score	487
Exons	1..48, 532..691, 845..928, 1019..1204		
GI Descrip.	(AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]		

Seq. No.	1819	Seq. ID	OJ990923_05.9B16.C6
Gene No.	3768	Strand	+
Start	1	End	1204
Name	OJ990923_05.9B16.C6.o1.tm	Method	TBLASTX:Maize
Start	527	End	1204
GI	none	Score	252
Exons	527..691, 531..692, 533..691, 844..903, 845..931, 845..931, 1018..1203, 1019..1204, 1019..1204		

Seq. No.	1819	Seq. ID	OJ990923_05.9B16.C6
Gene No.	3768	Strand	+
Start	1	End	1204
Name	OJ990923_05.9B16.C6.o1.tc	Method	TBLASTX:Cress
Start	556	End	1204
GI	none	Score	92
Exons	556..684, 559..705, 560..691, 836..931, 836..928, 847..933, 1018..1119, 1019..1132, 1133..1204, 1138..1197		

Seq. No.	1819	Seq. ID	OJ990923_05.9B16.C6
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Gene No. 3768
 Start 1
 Name OJ990923_05.9B16.C6.o1.gs
 Start 632
 GI none
 Exons 632..691, 845..928

Strand +
 End 1204
 Method GENSCAN
 End 928
 Score .79

Seq. No. 1819
 Gene No. 3768
 Start 1
 Name OJ990923_05.9B16.C6.o1.ts
 Start 1018
 GI none
 Exons 1018..1197, 1019..1204

Seq. ID OJ990923_05.9B16.C6
 Strand +
 End 1204
 Method TBLASTX:Soybean
 End 1204
 Score 253

Seq. No. 1820
 Gene No. 3769
 Start 1
 Name OJ990923_05.9B16.C7.o1.np
 Start 1
 GI 4538961
 Exons 1..153, 229..397, 758..836, 921..988, 1235..1357, 1440..1505, 1693..2180

Seq. ID OJ990923_05.9B16.C7
 Strand +
 End 2180
 Method AAT/NAP
 End 2180
 Score 408

GI Descrip. (AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]

Seq. No. 1820
 Gene No. 3769
 Start 1
 Name OJ990923_05.9B16.C7.o1.gp
 Start 61
 GI 23683_1.R1084
 Exons 61..153, 229..370, 773..836, 921..988, 1235..1357, 1440..1505, 1693..1798, 1912..2003

Seq. ID OJ990923_05.9B16.C7
 Strand +
 End 2180
 Method AAT/GAP
 End 2003
 Score 1281

GI Descrip. '4538961/emb|CAB39785.1| 2.0e-56 (AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]'

Seq. No. 1820
 Gene No. 3769
 Start 1
 Name OJ990923_05.9B16.C7.o1.gs
 Start 80
 GI none
 Exons 80..153, 229..370, 773..836, 921..988, 1235..1357, 1404..1505, 1693..1818

Seq. ID OJ990923_05.9B16.C7
 Strand +
 End 2180
 Method GENSCAN
 End 1818
 Score .76

Seq. No. 1820
 Gene No. 3770
 Start 9749
 Name OJ990923_05.9B16.C7.o3.np
 Start 9749
 GI 6721547
 Exons 9749..9833, 13504..13553

Seq. ID OJ990923_05.9B16.C7
 Strand +
 End 13553
 Method AAT/NAP
 End 13553
 Score 87

GI Descrip. (AP001073) Similar to Oryza sativa gene for Pib. (AB013448)

Seq. No. 1820
 Gene No. 3771

Seq. ID OJ990923_05.9B16.C7
 Strand -

Start	2539	End	2857
Name	OJ990923_05.9B16.C7.o2.gs	Method	GENSCAN
Start	2539	End	2857
GI	none	Score	.97
Exons	2539..2747, 2791..2857		

Seq. No.	1820	Seq. ID	OJ990923_05.9B16.C7
Gene No.	3772	Strand	-
Start	3492	End	4262
Name	OJ990923_05.9B16.C7.o3.gs	Method	GENSCAN
Start	3492	End	4208
GI	none	Score	.99
Exons	3492..4208		

Seq. No.	1820	Seq. ID	OJ990923_05.9B16.C7
Gene No.	3772	Strand	-
Start	3492	End	4262
Name	OJ990923_05.9B16.C7.o2.np	Method	AAT/NAP
Start	3495	End	4208
GI	6730731	Score	238
Exons	3495..3625, 3768..4208		
GI Descrip.	(AC018849) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1820	Seq. ID	OJ990923_05.9B16.C7
Gene No.	3772	Strand	-
Start	3492	End	4262
Name	OJ990923_05.9B16.C7.o2.gp	Method	AAT/GAP
Start	3891	End	4262
GI	none	Score	736
Exons	3891..4262		

Seq. No.	1820	Seq. ID	OJ990923_05.9B16.C7
Gene No.	3773	Strand	-
Start	4876	End	7498
Name	OJ990923_05.9B16.C7.o4.gs	Method	GENSCAN
Start	4876	End	7498
GI	none	Score	.4
Exons	4876..5081, 5267..5334, 7245..7498		

Seq. No.	1820	Seq. ID	OJ990923_05.9B16.C7
Gene No.	3774	Strand	-
Start	12088	End	16113
Name	OJ990923_05.9B16.C7.o5.gs	Method	GENSCAN
Start	12088	End	16113
GI	none	Score	.78
Exons	12088..12365, 12847..13657, 14366..14448, 14669..14727, 14828..15112, 15470..15771, 15803..15933, 16026..16113		

Seq. No.	1820	Seq. ID	OJ990923_05.9B16.C7
Gene No.	3774	Strand	-
Start	12088	End	16113
Name	OJ990923_05.9B16.C7.o4.np	Method	AAT/NAP
Start	12940	End	14768
GI	4734014	Score	624
Exons	12940..13657, 14366..14437, 14528..14564, 14669..14768		
GI Descrip.	(AC007112) unknown protein [Arabidopsis thaliana]		

Seq. No.	1820	Seq. ID	OJ990923_05.9B16.C7
Gene No.	3775	Strand	-
Start	17446	End	19043
Name	OJ990923_05.9B16.C7.o3.tm	Method	TBLASTX:Maize
Start	60	End	373
GI	none	Score	154
Exons	60..152, 62..154, 64..153, 198..371, 223..372, 230..373		
Seq. No.	1820	Seq. ID	OJ990923_05.9B16.C7
Gene No.	3775	Strand	-
Start	17446	End	19043
Name	OJ990923_05.9B16.C7.o3.ts	Method	TBLASTX:Soybean
Start	62	End	1330
GI	none	Score	105
Exons	62..151, 64..153, 226..372, 227..373, 746..838, 752..838, 920..997, 920..997, 1232..1330, 1237..1299		
Seq. No.	1820	Seq. ID	OJ990923_05.9B16.C7
Gene No.	3775	Strand	-
Start	17446	End	19043
Name	OJ990923_05.9B16.C7.o4.tm	Method	TBLASTX:Maize
Start	771	End	2294
GI	none	Score	96
Exons	771..839, 773..838, 920..997, 920..997, 1223..1357, 1233..1358, 1234..1365, 1234..1359, 1437..1514, 1437..1502, 1438..1503, 1692..1808, 1693..1809, 1693..1815, 1900..2001, 1908..2006, 1910..1999, 2078..2215, 2079..2174, 2079..2240, 2080..2202, 2241..2294		
Seq. No.	1820	Seq. ID	OJ990923_05.9B16.C7
Gene No.	3775	Strand	-
Start	17446	End	19043
Name	OJ990923_05.9B16.C7.o5.tm	Method	TBLASTX:Maize
Start	3687	End	4203
GI	none	Score	91
Exons	3687..3782, 3747..3851, 3765..3854, 3910..3954, 4023..4202, 4024..4203, 4069..4203		
Seq. No.	1820	Seq. ID	OJ990923_05.9B16.C7
Gene No.	3775	Strand	-
Start	17446	End	19043
Name	OJ990923_05.9B16.C7.o2.ts	Method	TBLASTX:Soybean
Start	4023	End	4209
GI	none	Score	157
Exons	4023..4208, 4024..4209		
Seq. No.	1820	Seq. ID	OJ990923_05.9B16.C7
Gene No.	3775	Strand	-
Start	17446	End	19043
Name	OJ990923_05.9B16.C7.o1.tm	Method	TBLASTX:Maize
Start	13078	End	14471
GI	none	Score	112
Exons	13078..13431, 13079..13309, 13376..13426, 13507..13659, 13523..13675, 14323..14436, 14360..14443, 14367..14471		
Seq. No.	1820	Seq. ID	OJ990923_05.9B16.C7
Gene No.	3775	Strand	-

Start	17446	End	19043
Name	OJ990923_05.9B16.C7.o1.ts	Method	TBLASTX:Soybean
Start	13078	End	13660
GI	none	Score	98
Exons	13078..13272, 13106..13297, 13294..13431, 13507..13659, 13517..13660		

Seq. No.	1820	Seq. ID	OJ990923_05.9B16.C7
Gene No.	3775	Strand	-
Start	17446	End	19043
Name	OJ990923_05.9B16.C7.o2.tm	Method	TBLASTX:Maize
Start	17388	End	18429
GI	none	Score	46
Exons	17388..17426, 17391..17432, 17446..17811, 17452..17799, 18273..18428, 18274..18363, 18288..18428, 18352..18429		

Seq. No.	1820	Seq. ID	OJ990923_05.9B16.C7
Gene No.	3775	Strand	-
Start	17446	End	19043
Name	OJ990923_05.9B16.C7.o5.np	Method	AAT/NAP
Start	17443	End	19043
GI	6714281	Score	457
Exons	17443..17796, 18288..18550, 18656..19043		
GI Descrip.	(AC017118) F6N18.13 [Arabidopsis thaliana]		

Seq. No.	1820	Seq. ID	OJ990923_05.9B16.C7
Gene No.	3775	Strand	-
Start	17446	End	19043
Name	OJ990923_05.9B16.C7.o6.gs	Method	GENSCAN
Start	17446	End	18575
GI	none	Score	.82
Exons	17446..17796, 18234..18575		

Seq. No.	1820	Seq. ID	OJ990923_05.9B16.C7
Gene No.	3775	Strand	-
Start	17446	End	19043
Name	OJ990923_05.9B16.C7.o3.gp	Method	AAT/GAP
Start	17725	End	18683
GI	none	Score	886
Exons	17725..17796, 18288..18683		

Seq. No.	1821	Seq. ID	OJ990923_05.9B16.C8
Gene No.	3776	Strand	+
Start	1	End	471
Name	OJ990923_05.9B16.C8.o1.np	Method	AAT/NAP
Start	1	End	471
GI	3695406	Score	155
Exons	1..63, 191..328, 414..471		
GI Descrip.	(AF096373) similar to isoleucyl-tRNA synthetases [Arabidopsis thaliana]		

Seq. No.	1822	Seq. ID	OJ990923_05.9B16.C9
Gene No.	3777	Strand	-
Start	1	End	3168
Name	OJ990923_05.9B16.C9.o1.np	Method	AAT/NAP
Start	1	End	3013
GI	2792220	Score	444

Exons	1..349, 1662..2616, 2940..3013		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		
Seq. No.	1822	Seq. ID	OJ990923_05.9B16.C9
Gene No.	3777	Strand	-
Start	1	End	3168
Name	OJ990923_05.9B16.C9.o1.gs	Method	GENSCAN
Start	302	End	3168
GI	none	Score	.74
Exons	302..388, 1662..2792, 2869..3168		
Seq. No.	1822	Seq. ID	OJ990923_05.9B16.C9
Gene No.	3777	Strand	-
Start	1	End	3168
Name	OJ990923_05.9B16.C9.o1.ts	Method	TBLASTX:Soybean
Start	1746	End	2312
GI	none	Score	61
Exons	1746..1904, 1756..1908, 1917..2249, 2268..2312		
Seq. No.	1823	Seq. ID	OJ990923_05.9B16.C10
Gene No.	3778	Strand	+
Start	47	End	865
Name	OJ990923_05.9B16.C10.o1.gs	Method	GENSCAN
Start	47	End	865
GI	none	Score	.59
Exons	47..334, 414..521, 741..865		
Seq. No.	1823	Seq. ID	OJ990923_05.9B16.C10
Gene No.	3779	Strand	-
Start	1882	End	6832
Name	OJ990923_05.9B16.C10.o1.gp	Method	AAT/GAP
Start	1319	End	6832
GI	150_1.R1084	Score	5726
Exons	1319..2088, 2197..2256, 2339..2749, 2920..3250, 3348..3434, 3521..3900, 4063..4637, 6504..6832		
GI Descrip.	'1747294/dbj BAA08232 0.0e+00 (D45383) vacuolar H+-pyrophosphatase [Oryza sativa]'		
Seq. No.	1823	Seq. ID	OJ990923_05.9B16.C10
Gene No.	3779	Strand	-
Start	1882	End	6832
Name	OJ990923_05.9B16.C10.o2.gs	Method	GENSCAN
Start	1882	End	6768
GI	none	Score	.94
Exons	1882..2088, 2197..2256, 2339..2749, 2920..3250, 3348..3434, 3521..3900, 4063..4637, 6504..6768		
Seq. No.	1823	Seq. ID	OJ990923_05.9B16.C10
Gene No.	3779	Strand	-
Start	1882	End	6832
Name	OJ990923_05.9B16.C10.o1.np	Method	AAT/NAP
Start	1885	End	6768
GI	1747294	Score	3670
Exons	1885..2088, 2197..2256, 2339..2749, 2920..3250, 3348..3434, 3521..3900, 4063..4637, 6504..6768		
GI Descrip.	(D45383) vacuolar H+-pyrophosphatase [Oryza sativa]		

Seq. No.	1823	Seq. ID	OJ990923_05.9B16.C10
Gene No.	3780	Strand	-
Start	7879	End	15667
Name	OJ990923_05.9B16.C10.o1.tc	Method	TBLASTX:Cress
Start	1880	End	6762
GI	none	Score	258
Exons	1880..2089, 1882..2091, 1882..2088, 1884..2093, 2196..2267, 2197..2271, 2198..2272, 2340..2753, 2381..2749, 2918..3124, 2920..3252, 2921..3253, 3158..3256, 3348..3419, 3350..3439, 3350..3433, 3457..3774, 3520..3900, 3521..3901, 4058..4639, 4060..4638, 4277..4315, 4415..4474, 4488..4640, 6502..6537, 6649..6762		

Seq. No.	1823	Seq. ID	OJ990923_05.9B16.C10
Gene No.	3780	Strand	-
Start	7879	End	15667
Name	OJ990923_05.9B16.C10.o1.tm	Method	TBLASTX:Maize
Start	1882	End	4321
GI	none	Score	290
Exons	1882..2088, 1883..2089, 1883..2089, 2180..2275, 2187..2333, 2336..2752, 2338..2385, 2340..2753, 2381..2749, 2919..3251, 2920..3252, 2921..3253, 3307..3435, 3350..3433, 3472..3855, 3496..3900, 3521..3901, 4058..4321, 4060..4320, 4142..4321		

Seq. No.	1823	Seq. ID	OJ990923_05.9B16.C10
Gene No.	3780	Strand	-
Start	7879	End	15667
Name	OJ990923_05.9B16.C10.o1.ts	Method	TBLASTX:Soybean
Start	1891	End	6765
GI	none	Score	267
Exons	1891..2088, 1892..2089, 1998..2090, 2195..2260, 2197..2271, 2198..2257, 2343..2753, 2381..2749, 2419..2754, 2800..2838, 2916..3242, 2918..3115, 2920..3252, 2921..3253, 3350..3433, 3354..3422, 3356..3439, 3469..3855, 3496..3900, 3521..3901, 4058..4639, 4060..4638, 4277..4315, 4424..4474, 4517..4645, 6502..6537, 6640..6765		

Seq. No.	1823	Seq. ID	OJ990923_05.9B16.C10
Gene No.	3780	Strand	-
Start	7879	End	15667
Name	OJ990923_05.9B16.C10.o3.tw	Method	TBLASTX:Wheat
Start	1891	End	2059
GI	none	Score	202
Exons	1891..2058, 1892..2059		

Seq. No.	1823	Seq. ID	OJ990923_05.9B16.C10
Gene No.	3780	Strand	-
Start	7879	End	15667
Name	OJ990923_05.9B16.C10.o1.tw	Method	TBLASTX:Wheat
Start	2060	End	2641
GI	none	Score	44
Exons	2060..2089, 2062..2088, 2186..2260, 2196..2270, 2197..2271, 2197..2271, 2198..2272, 2331..2633, 2340..2633, 2381..2641		

Seq. No.	1823	Seq. ID	OJ990923_05.9B16.C10
Gene No.	3780	Strand	-
Start	7879	End	15667

Name	OJ990923_05.9B16.C10.o2.tw	Method	TBLASTX:Wheat
Start	2951	End	3441
GI	none	Score	365
Exons	2951..3256, 2952..3248, 2983..3252, 3347..3433, 3348..3434, 3349..3441, 3354..3422		

Seq. No.	1823	Seq. ID	OJ990923_05.9B16.C10
Gene No.	3780	Strand	-
Start	7879	End	15667
Name	OJ990923_05.9B16.C10.o2.tm	Method	TBLASTX:Maize
Start	4321	End	6774
GI	none	Score	448
Exons	4321..4638, 4322..4639, 4488..4640, 4503..4640, 6500..6592, 6502..6537, 6643..6774, 6665..6772		

Seq. No.	1823	Seq. ID	OJ990923_05.9B16.C10
Gene No.	3780	Strand	-
Start	7879	End	15667
Name	OJ990923_05.9B16.C10.o3.gs	Method	GENSCAN
Start	7879	End	15179
GI	none	Score	.49
Exons	7879..7975, 12356..12429, 13948..14038, 14263..14371, 15108..15179		

Seq. No.	1823	Seq. ID	OJ990923_05.9B16.C10
Gene No.	3780	Strand	-
Start	7879	End	15667
Name	OJ990923_05.9B16.C10.o2.gp	Method	AAT/GAP
Start	13009	End	15179
GI	19237_1.R1084	Score	1464
Exons	13009..13397, 14263..14371, 14466..14582, 14666..14729, 15065..15179		
GI Descrip.	'4567246/gb AAD23660.1 AC007070_9 2.0e-55 (AC007070) unknown protein [Arabidopsis thaliana]'		

Seq. No.	1823	Seq. ID	OJ990923_05.9B16.C10
Gene No.	3780	Strand	-
Start	7879	End	15667
Name	OJ990923_05.9B16.C10.o2.np	Method	AAT/NAP
Start	13306	End	15667
GI	4567246	Score	377
Exons	13306..13397, 14263..14369, 14500..14582, 14666..14729, 15065..15172, 15627..15667		
GI Descrip.	(AC007070) unknown protein [Arabidopsis thaliana]		

Seq. No.	1823	Seq. ID	OJ990923_05.9B16.C10
Gene No.	3780	Strand	-
Start	7879	End	15667
Name	OJ990923_05.9B16.C10.o2.ts	Method	TBLASTX:Soybean
Start	13318	End	15162
GI	none	Score	103
Exons	13318..13398, 14250..14369, 14264..14368, 14461..14583, 14463..14582, 14658..14729, 14678..14728, 15061..15162, 15062..15151		

Seq. No.	1823	Seq. ID	OJ990923_05.9B16.C10
Gene No.	3780	Strand	-

Start	7879	End	15667
Name	OJ990923_05.9B16.C10.o3.tm	Method	TBLASTX:Maize
Start	13356	End	15169
GI	none	Score	128
Exons	13356..13397, 13358..13399, 14250..14369, 14260..14283, 14264..14368, 14332..14373, 14333..14374, 14457..14582, 14461..14583, 14463..14582, 14465..14584, 14658..14729, 14678..14728, 15003..15140, 15048..15161, 15061..15162, 15061..15162, 15062..15169, 15065..15163		
Seq. No.	1823	Seq. ID	OJ990923_05.9B16.C10
Gene No.	3780	Strand	-
Start	7879	End	15667
Name	OJ990923_05.9B16.C10.o2.tc	Method	TBLASTX:Cress
Start	14250	End	15154
GI	none	Score	99
Exons	14250..14366, 14264..14368, 14457..14576, 14463..14582, 14465..14584, 14467..14583, 14658..14723, 14671..14721, 14678..14728, 15061..15144, 15071..15145, 15071..15154		
Seq. No.	1824	Seq. ID	OJ990923_05.9B16.C14
Gene No.	3781	Strand	+
Start	1	End	302
Name	OJ990923_05.9B16.C14.o1.gp	Method	AAT/GAP
Start	1	End	302
GI	19237_1.R1084	Score	.339
Exons	1..154, 259..302		
GI Descrip.	'4567246/gb AAD23660.1 AC007070_9 2.0e-55 (AC007070) unknown protein [Arabidopsis thaliana]'		
Seq. No.	1824	Seq. ID	OJ990923_05.9B16.C14
Gene No.	3781	Strand	+
Start	1	End	302
Name	OJ990923_05.9B16.C14.o1.gs	Method	GENSCAN
Start	75	End	302
GI	none	Score	.87
Exons	75..154, 259..302		
Seq. No.	1825	Seq. ID	OJ990923_05.9B16.C16
Gene No.	3782	Strand	-
Start	307	End	522
Name	OJ990923_05.9B16.C16.o1.gs	Method	GENSCAN
Start	307	End	522
GI	none	Score	.63
Exons	307..522		
Seq. No.	1826	Seq. ID	OJ990903_04.9B12.C2
Gene No.	3783	Strand	-
Start	67	End	583
Name	OJ990903_04.9B12.C2.o1.gs	Method	GENSCAN
Start	67	End	583
GI	none	Score	.69
Exons	67..377, 455..583		
Seq. No.	1826	Seq. ID	OJ990903_04.9B12.C2
Gene No.	3783	Strand	-
Start	67	End	583

Name OJ990903_04.9B12.C2.o1.tm
 Start 136
 GI none
 Exons 136..381, 162..380

Method TBLASTX:Maize
 End 381
 Score 149

Seq. No. 1827
 Gene No. 3784
 Start 1088
 Name OJ990903_04.9B12.C4.o1.gs
 Start 1088
 GI none
 Exons 1088..1357, 1445..1575

Seq. ID OJ990903_04.9B12.C4
 Strand +
 End 1575
 Method GENSCAN
 End 1575
 Score .78

Seq. No. 1828
 Gene No. 3785
 Start 65
 Name OJ990903_04.9B12.C5.o1.gs
 Start 65
 GI none
 Exons 65..127, 454..531, 809..1759, 2355..2628, 2780..2994, 3156..3403, 3426..3660, 3817..4114, 4194..4324, 4458..4578, 4650..4794, 5089..5439, 5685..5772, 6414..6507, 7916..8181

Seq. ID OJ990903_04.9B12.C5
 Strand +
 End 8181
 Method GENSCAN
 End 8181
 Score .57

Seq. No. 1828
 Gene No. 3785
 Start 65
 Name OJ990903_04.9B12.C5.o1.np
 Start 1085
 GI 3600044
 Exons 1085..1855, 2153..3500, 3901..5439, 5852..5906, 6640..6723
 GI Descrip. (AF080119) contains similarity to proteases [Arabidopsis thaliana]

Seq. ID OJ990903_04.9B12.C5
 Strand +
 End 8181
 Method AAT/NAP
 End 6723
 Score 1712

Seq. No. 1828
 Gene No. 3785
 Start 65
 Name OJ990903_04.9B12.C5.o7.tm
 Start 1184
 GI none
 Exons 1184..1486, 1187..1489

Seq. ID OJ990903_04.9B12.C5
 Strand +
 End 8181
 Method TBLASTX:Maize
 End 1489
 Score 206

Seq. No. 1828
 Gene No. 3785
 Start 65
 Name OJ990903_04.9B12.C5.o5.tm
 Start 2288
 GI none
 Exons 2288..2461, 2289..2483, 2472..2603

Seq. ID OJ990903_04.9B12.C5
 Strand +
 End 8181
 Method TBLASTX:Maize
 End 2603
 Score 195

Seq. No. 1828
 Gene No. 3785
 Start 65
 Name OJ990903_04.9B12.C5.o4.tw
 Start 2304
 GI none
 Exons 2304..2435, 2355..2450, 2472..2564, 2598..2711

Seq. ID OJ990903_04.9B12.C5
 Strand +
 End 8181
 Method TBLASTX:Wheat
 End 2711
 Score 100

Seq. No. 1828
 Gene No. 3785
 Start 65
 Name OJ990903_04.9B12.C5.o2.tc
 Start 2523
 GI none
 Exons 2523..2717, 2721..2807

Seq. ID OJ990903_04.9B12.C5
 Strand +
 End 8181
 Method TBLASTX:Cress
 End 2807
 Score 186

Seq. No. 1828
 Gene No. 3785
 Start 65
 Name OJ990903_04.9B12.C5.o8.tm
 Start 2613
 GI none
 Exons 2613..2783, 2622..2783, 2775..2894, 2796..2891

Seq. ID OJ990903_04.9B12.C5
 Strand +
 End 8181
 Method TBLASTX:Maize
 End 2894
 Score 170

Seq. No. 1828
 Gene No. 3785
 Start 65
 Name OJ990903_04.9B12.C5.o1.tm
 Start 2897
 GI none
 Exons 2897..3004, 2901..3002, 2979..3356, 3167..3358, 3254..3358

Seq. ID OJ990903_04.9B12.C5
 Strand +
 End 8181
 Method TBLASTX:Maize
 End 3358
 Score 103

Seq. No. 1828
 Gene No. 3785
 Start 65
 Name OJ990903_04.9B12.C5.o3.ts
 Start 2907
 GI none
 Exons 2907..3368

Seq. ID OJ990903_04.9B12.C5
 Strand +
 End 8181
 Method TBLASTX:Soybean
 End 3368
 Score 255

Seq. No. 1828
 Gene No. 3785
 Start 65
 Name OJ990903_04.9B12.C5.o1.tc
 Start 2967
 GI none
 Exons 2967..3383

Seq. ID OJ990903_04.9B12.C5
 Strand +
 End 8181
 Method TBLASTX:Cress
 End 3383
 Score 307

Seq. No. 1828
 Gene No. 3785
 Start 65
 Name OJ990903_04.9B12.C5.o1.tw
 Start 3033
 GI none
 Exons 3033..3377, 3158..3319

Seq. ID OJ990903_04.9B12.C5
 Strand +
 End 8181
 Method TBLASTX:Wheat
 End 3377
 Score 312

Seq. No. 1828
 Gene No. 3785
 Start 65
 Name OJ990903_04.9B12.C5.o2.ts
 Start 3910
 GI 5509260
 Exons 3910..4191, 4231..4386, 4232..4402
 GI Descrip. -

Seq. ID OJ990903_04.9B12.C5
 Strand +
 End 8181
 Method TBLASTX:Soybean
 End 4402
 Score 200

Seq. No.	1828	Seq. ID	OJ990903_04.9B12.C5
Gene No.	3785	Strand	+
Start	65	End	8181
Name	OJ990903_04.9B12.C5.o6.tm	Method	TBLASTX:Maize
Start	3954	End	4191
GI	none	Score	89
Exons	3954..4064, 3954..4178, 3955..4191, 3958..4182		

Seq. No.	1828	Seq. ID	OJ990903_04.9B12.C5
Gene No.	3785	Strand	+
Start	65	End	8181
Name	OJ990903_04.9B12.C5.o2.tw	Method	TBLASTX:Wheat
Start	4075	End	4610
GI	none	Score	94
Exons	4075..4206, 4232..4417, 4476..4610		

Seq. No.	1828	Seq. ID	OJ990903_04.9B12.C5
Gene No.	3785	Strand	+
Start	65	End	8181
Name	OJ990903_04.9B12.C5.o3.tm	Method	TBLASTX:Maize
Start	4231	End	4649
GI	none	Score	303
Exons	4231..4464, 4232..4486, 4446..4649, 4503..4649		

Seq. No.	1828	Seq. ID	OJ990903_04.9B12.C5
Gene No.	3785	Strand	+
Start	65	End	8181
Name	OJ990903_04.9B12.C5.o3.tw	Method	TBLASTX:Wheat
Start	4652	End	4988
GI	none	Score	92
Exons	4652..4747, 4745..4870, 4756..4869, 4871..4909, 4926..4988, 4955..4987		

Seq. No.	1828	Seq. ID	OJ990903_04.9B12.C5
Gene No.	3785	Strand	+
Start	65	End	8181
Name	OJ990903_04.9B12.C5.o4.tm	Method	TBLASTX:Maize
Start	4652	End	5038
GI	none	Score	216
Exons	4652..4870, 4658..4870, 4871..4918, 4873..4917, 4944..5036, 4970..5038		

Seq. No.	1828	Seq. ID	OJ990903_04.9B12.C5
Gene No.	3785	Strand	+
Start	65	End	8181
Name	OJ990903_04.9B12.C5.o1.ts	Method	TBLASTX:Soybean
Start	4778	End	5368
GI	none	Score	73
Exons	4778..4864, 4956..5036, 4964..5035, 5039..5368, 5041..5367		

Seq. No.	1828	Seq. ID	OJ990903_04.9B12.C5
Gene No.	3785	Strand	+
Start	65	End	8181
Name	OJ990903_04.9B12.C5.o2.tm	Method	TBLASTX:Maize
Start	5041	End	5371
GI	none	Score	313
Exons	5041..5370, 5042..5371		

Seq. No. 1828
 Gene No. 3785
 Start 65
 Name OJ990903_04.9B12.C5.o5.tw
 Start 5230
 GI none
 Exons 5230..5436, 5234..5410

Seq. ID OJ990903_04.9B12.C5
 Strand +
 End 8181
 Method TBLASTX:Wheat
 End 5436
 Score 185

Seq. No. 1829
 Gene No. 3786
 Start 2382
 Name OJ990903_04.9B12.C6.o1.gp
 Start 2382
 GI 1031_1.R1084
 Exons 2382..3437

Seq. ID OJ990903_04.9B12.C6
 Strand +
 End 3437
 Method AAT/GAP
 End 3437
 Score 2009

GI Descrip. '4760545/dbj|BAA77333.1| 4.0e-16 (AB019492) IDN4-GGTR14 [Homo sapiens]'

Seq. No. 1829
 Gene No. 3786
 Start 2382
 Name OJ990903_04.9B12.C6.o1.np
 Start 2410
 GI 2062389
 Exons 2410..3126

Seq. ID OJ990903_04.9B12.C6
 Strand +
 End 3437
 Method AAT/NAP
 End 3126
 Score 1280

GI Descrip. (U77657) pathogenesis-related thaumatin-like protein [Oryza sativa]

Seq. No. 1829
 Gene No. 3786
 Start 2382
 Name OJ990903_04.9B12.C6.o1.gs
 Start 2431
 GI none
 Exons 2431..3129

Seq. ID OJ990903_04.9B12.C6
 Strand +
 End 3437
 Method GENSCAN
 End 3129
 Score 1

Seq. No. 1829
 Gene No. 3787
 Start 10618
 Name OJ990903_04.9B12.C6.o3.gs
 Start 10618
 GI none
 Exons 10618..10690, 10870..11002, 11421..11489, 12141..12258, 13103..13211, 13579..13604

Seq. ID OJ990903_04.9B12.C6
 Strand +
 End 13604
 Method GENSCAN
 End 13604
 Score .43

Seq. No. 1829
 Gene No. 3788
 Start 2531
 Name OJ990903_04.9B12.C6.o1.tc
 Start 2490
 GI none
 Exons 2490..2567, 2494..2568, 2547..2828, 2548..2847, 2878..2979, 2886..2978, 2959..3090, 3011..3055, 3100..3144

Seq. ID OJ990903_04.9B12.C6
 Strand -
 End 17623
 Method TBLASTX:Cress
 End 3144
 Score 91

Seq. No. 1829
 Gene No. 3788

Seq. ID OJ990903_04.9B12.C6
 Strand -

Start	2531	End	17623
Name	OJ990903_04.9B12.C6.o1.ts	Method	TBLASTX:Soybean
Start	2493	End	3132
GI	none	Score	486
Exons	2493..2831, 2494..2850, 2869..2988, 2886..2978, 2989..3132, 2994..3125		

Seq. No.	1829	Seq. ID	OJ990903_04.9B12.C6
Gene No.	3788	Strand	-
Start	2531	End	17623
Name	OJ990903_04.9B12.C6.o1.tm	Method	TBLASTX:Maize
Start	2496	End	3129
GI	none	Score	457
Exons	2496..2831, 2497..2844, 2869..3129, 2904..3128		

Seq. No.	1829	Seq. ID	OJ990903_04.9B12.C6
Gene No.	3788	Strand	-
Start	2531	End	17623
Name	OJ990903_04.9B12.C6.o1.tw	Method	TBLASTX:Wheat
Start	2502	End	2793
GI	none	Score	434
Exons	2502..2792, 2503..2793		

Seq. No.	1829	Seq. ID	OJ990903_04.9B12.C6
Gene No.	3788	Strand	-
Start	2531	End	17623
Name	OJ990903_04.9B12.C6.o2.np	Method	AAT/NAP
Start	2531	End	17623
GI	1491621	Score	242
Exons	2531..2598, 5322..5532, 6328..6576, 12388..13017, 15057..15296, 15324..15568, 17597..17623		
GI Descrip.	(Z78205) UL36 [Bovine herpesvirus 1] gi 2653311 emb CAA06097 (AJ004801) very large virion protein (tegument) [Bovine herpesvirus type 1.1]		

Seq. No.	1829	Seq. ID	OJ990903_04.9B12.C6
Gene No.	3788	Strand	-
Start	2531	End	17623
Name	OJ990903_04.9B12.C6.o2.gp	Method	AAT/GAP
Start	13825	End	14022
GI	2227_1.R1084	Score	275
Exons	13825..14022		
GI Descrip.	'6006355/dbj AP000559.1 AP000559 2.0e-56 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	1829	Seq. ID	OJ990903_04.9B12.C6
Gene No.	3788	Strand	-
Start	2531	End	17623
Name	OJ990903_04.9B12.C6.o4.gs	Method	GENSCAN
Start	14166	End	15449
GI	none	Score	.99
Exons	14166..15449		

Seq. No.	1830	Seq. ID	OJ990903_04.9B12.C7
Gene No.	3789	Strand	+
Start	1736	End	4116
Name	OJ990903_04.9B12.C7.o1.gs	Method	GENSCAN

Start	1736	End	2969
GI	none	Score	.44
Exons	1736..1790, 2461..2736, 2809..2969		

Seq. No.	1830	Seq. ID	OJ990903_04.9B12.C7
Gene No.	3789	Strand	+
Start	1736	End	4116
Name	OJ990903_04.9B12.C7.o1.np	Method	AAT/NAP
Start	2434	End	4116
GI	6539588	Score	202
Exons	2434..2752, 4063..4116		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	1830	Seq. ID	OJ990903_04.9B12.C7
Gene No.	3790	Strand	-
Start	3634	End	5540
Name	OJ990903_04.9B12.C7.o2.gs	Method	GENSCAN
Start	3634	End	5540
GI	none	Score	.8
Exons	3634..3807, 5448..5540		

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3791	Strand	+
Start	8249	End	16011
Name	OJ990903_04.9B12.C9.o2.np	Method	AAT/NAP
Start	7133	End	10747
GI	6522929	Score	157
Exons	7133..7183, 8319..8739, 10721..10747		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana]		

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3791	Strand	+
Start	8249	End	16011
Name	OJ990903_04.9B12.C9.o3.gs	Method	GENSCAN
Start	8249	End	16011
GI	none	Score	.47
Exons	8249..8688, 8770..8879, 9996..10146, 12104..12226, 12987..13276, 13356..13422, 13715..13882, 14683..14868, 15897..16011		

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3791	Strand	+
Start	8249	End	16011
Name	OJ990903_04.9B12.C9.o5.np	Method	AAT/NAP
Start	13005	End	15648
GI	6539570	Score	254
Exons	13005..13197, 13356..13422, 14783..15061, 15272..15362, 15394..15496, 15617..15648		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3792	Strand	+
Start	19759	End	19932
Name	OJ990903_04.9B12.C9.o5.gp	Method	AAT/GAP
Start	19759	End	19932
GI	15870_2.R1084	Score	251
Exons	19759..19932		
GI Descrip.	'287403/dbj D10838 RICSBEL 8.0e-69 Rice gene for starch		

branching enzyme'

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3793	Strand	-
Start	1487	End	5725
Name	OJ990903_04.9B12.C9.o1.gp	Method	AAT/GAP
Start	1236	End	1572
GI	5005357	Score	506
Exons	1236..1572		
Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3793	Strand	-
Start	1487	End	5725
Name	OJ990903_04.9B12.C9.o1.gs	Method	GENSCAN
Start	1487	End	2481
GI	none	Score	.92
Exons	1487..2163, 2256..2481		
Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3793	Strand	-
Start	1487	End	5725
Name	OJ990903_04.9B12.C9.o1.np	Method	AAT/NAP
Start	1493	End	5008
GI	398845	Score	2179
Exons	1493..2163, 2256..2525, 4615..5008		
GI Descrip.	(X74654) beta3 tubulin [Zea mays]		
Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3793	Strand	-
Start	1487	End	5725
Name	OJ990903_04.9B12.C9.o2.gs	Method	GENSCAN
Start	4460	End	5725
GI	none	Score	.86
Exons	4460..4542, 4615..4882, 4905..5080, 5713..5725		
Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3793	Strand	-
Start	1487	End	5725
Name	OJ990903_04.9B12.C9.o2.gp	Method	AAT/GAP
Start	4630	End	4833
GI	568536	Score	302
Exons	4630..4833		
GI Descrip.	629838/pir S43326 2.0e-09 tubulin beta-4 chain - maize >gi_416145 (L10635) beta-4 tubulin [Zea mays]		
Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3793	Strand	-
Start	1487	End	5725
Name	OJ990903_04.9B12.C9.o3.gp	Method	AAT/GAP
Start	4843	End	5117
GI	220_15.R1084	Score	550
Exons	4843..5117		
GI Descrip.	'398845/emb CAA52718 2.0e-24 (X74654) beta3 tubulin [Zea mays]'		
Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3794	Strand	-
Start	8762	End	8901

Name	OJ990903_04.9B12.C9.o3.np	Method	AAT/NAP
Start	8762	End	8901
GI	6688685	Score	41
Exons	8762..8901		
GI Descrip.	(AJ132139) 2-hydroxyphytanoyl-CoA lyase [Mus musculus]		

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3795	Strand	-
Start	9174	End	10479
Name	OJ990903_04.9B12.C9.o4.np	Method	AAT/NAP
Start	9174	End	10479
GI	6815099	Score	77
Exons	9174..9285, 10414..10479		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3796	Strand	-
Start	16189	End	18391
Name	OJ990903_04.9B12.C9.o4.gs	Method	GENSCAN
Start	16189	End	18391
GI	none	Score	.64
Exons	16189..16369, 18339..18391		

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3797	Strand	-
Start	19625	End	19705
Name	OJ990903_04.9B12.C9.o1.tc	Method	TBLASTX:Cress
Start	1551	End	5015
GI	none	Score	719
Exons	1551..2162, 1565..2161, 2239..2526, 2261..2464, 2507..2527, 4613..5014, 4614..5015, 4908..5015		

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3797	Strand	-
Start	19625	End	19705
Name	OJ990903_04.9B12.C9.o1.ts	Method	TBLASTX:Soybean
Start	1551	End	4732
GI	none	Score	776
Exons	1551..2162, 1565..2161, 2239..2526, 2261..2464, 2266..2523, 2507..2527, 4613..4732, 4614..4718		

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3797	Strand	-
Start	19625	End	19705
Name	OJ990903_04.9B12.C9.o3.tw	Method	TBLASTX:Wheat
Start	1551	End	1757
GI	none	Score	230
Exons	1551..1757, 1565..1756		

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3797	Strand	-
Start	19625	End	19705
Name	OJ990903_04.9B12.C9.o1.tm	Method	TBLASTX:Maize
Start	1551	End	5074
GI	none	Score	914
Exons	1551..2162, 1565..2161, 2115..2162, 2209..2523, 2239..2526, 4613..4900, 4614..4880, 4874..5074, 4875..5054, 4901..5059		

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3797	Strand	-
Start	19625	End	19705
Name	OJ990903_04.9B12.C9.o2.tw	Method	TBLASTX:Wheat
Start	1860	End	2138
GI	none	Score	354
Exons	1860..2138, 1860..1937, 1862..2137		

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3797	Strand	-
Start	19625	End	19705
Name	OJ990903_04.9B12.C9.o1.tw	Method	TBLASTX:Wheat
Start	2288	End	5019
GI	none	Score	214
Exons	2288..2464, 2290..2526, 2290..2526, 2507..2527, 4613..5011, 4614..5012, 4911..5012, 4975..5019		

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3797	Strand	-
Start	19625	End	19705
Name	OJ990903_04.9B12.C9.o2.ts	Method	TBLASTX:Soybean
Start	4733	End	5012
GI	none	Score	310
Exons	4733..5011, 4737..5012, 4911..5012		

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3797	Strand	-
Start	19625	End	19705
Name	OJ990903_04.9B12.C9.o2.tm	Method	TBLASTX:Maize
Start	8330	End	8575
GI	none	Score	274
Exons	8330..8575, 8336..8536		

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3797	Strand	-
Start	19625	End	19705
Name	OJ990903_04.9B12.C9.o3.ts	Method	TBLASTX:Soybean
Start	8330	End	8737
GI	none	Score	100
Exons	8330..8470, 8549..8737		

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3797	Strand	-
Start	19625	End	19705
Name	OJ990903_04.9B12.C9.o3.tm	Method	TBLASTX:Maize
Start	8576	End	8737
GI	none	Score	212
Exons	8576..8737, 8578..8697		

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3797	Strand	-
Start	19625	End	19705
Name	OJ990903_04.9B12.C9.o4.ts	Method	TBLASTX:Soybean
Start	8744	End	8894
GI	none	Score	155
Exons	8744..8893, 8745..8894		

Seq. No.	1831	Seq. ID	OJ990903_04.9B12.C9
Gene No.	3797	Strand	-
Start	19625	End	19705
Name	OJ990903_04.9B12.C9.o4.gp	Method	AAT/GAP
Start	19625	End	19705
GI	38012_1.R1084	Score	103
Exons	19625..19705		
GI Descrip.	'4097947/gb U72255 OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	1832	Seq. ID	OJ990903_04.9B12.C10
Gene No.	3798	Strand	+
Start	16517	End	18220
Name	OJ990903_04.9B12.C10.o1.np	Method	AAT/NAP
Start	16517	End	18220
GI	5852085	Score	131
Exons	16517..16665, 17811..18220		
GI Descrip.	(AL117264) zwh0008.1 [Oryza sativa]		

Seq. No.	1832	Seq. ID	OJ990903_04.9B12.C10
Gene No.	3798	Strand	+
Start	16517	End	18220
Name	OJ990903_04.9B12.C10.o1.gp	Method	AAT/GAP
Start	16701	End	17066
GI	none	Score	663
Exons	16701..17066		

Seq. No.	1832	Seq. ID	OJ990903_04.9B12.C10
Gene No.	3798	Strand	+
Start	16517	End	18220
Name	OJ990903_04.9B12.C10.o4.gs	Method	GENSCAN
Start	16911	End	18220
GI	none	Score	.95
Exons	16911..17066, 17675..18220		

Seq. No.	1832	Seq. ID	OJ990903_04.9B12.C10
Gene No.	3798	Strand	+
Start	16517	End	18220
Name	OJ990903_04.9B12.C10.o2.gp	Method	AAT/GAP
Start	17092	End	17464
GI	3090603	Score	707
Exons	17092..17464		

Seq. No.	1832	Seq. ID	OJ990903_04.9B12.C10
Gene No.	3799	Strand	-
Start	9697	End	10520
Name	OJ990903_04.9B12.C10.o2.gs	Method	GENSCAN
Start	9697	End	10520
GI	none	Score	.7
Exons	9697..9799, 10420..10520		

Seq. No.	1832	Seq. ID	OJ990903_04.9B12.C10
Gene No.	3800	Strand	-
Start	15155	End	15854
Name	OJ990903_04.9B12.C10.o3.gs	Method	GENSCAN
Start	15155	End	15854

GI	none	Score	.6
Exons	15155..15364, 15660..15854		
Seq. No.	1832	Seq. ID	OJ990903_04.9B12.C10
Gene No.	3801	Strand	-
Start	18641	End	21662
Name	OJ990903_04.9B12.C10.o5.gs	Method	GENSCAN
Start	18641	End	21662
GI	none	Score	.66
Exons	18641..18740, 19029..19155, 20257..20411, 21106..21294, 21494..21662		
Seq. No.	1833	Seq. ID	OJ990903_04.9B12.C11
Gene No.	3802	Strand	+
Start	419	End	6378
Name	OJ990903_04.9B12.C11.o1.np	Method	AAT/NAP
Start	419	End	6378
GI	4581111	Score	65
Exons	419..451, 4390..4593, 6351..6378		
GI Descrip.	(AC005825) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	1833	Seq. ID	OJ990903_04.9B12.C11
Gene No.	3803	Strand	-
Start	23	End	2518
Name	OJ990903_04.9B12.C11.o1.gs	Method	GENSCAN
Start	23	End	2518
GI	none	Score	.6
Exons	23..55, 686..881, 2516..2518		
Seq. No.	1833	Seq. ID	OJ990903_04.9B12.C11
Gene No.	3804	Strand	-
Start	5153	End	7588
Name	OJ990903_04.9B12.C11.o2.np	Method	AAT/NAP
Start	5132	End	7588
GI	5852079	Score	115
Exons	5132..5401, 7381..7588		
GI Descrip.	(AL117264) zwh0002.1 [Oryza sativa]		
Seq. No.	1833	Seq. ID	OJ990903_04.9B12.C11
Gene No.	3804	Strand	-
Start	5153	End	7588
Name	OJ990903_04.9B12.C11.o2.gs	Method	GENSCAN
Start	5153	End	5827
GI	none	Score	.8
Exons	5153..5462, 5514..5571, 5662..5827		
Seq. No.	1834	Seq. ID	OJ990903_04.9B12.C12
Gene No.	3805	Strand	+
Start	462	End	658
Name	OJ990903_04.9B12.C12.o1.gs	Method	GENSCAN
Start	462	End	658
GI	none	Score	.97
Exons	462..658		
Seq. No.	1834	Seq. ID	OJ990903_04.9B12.C12
Gene No.	3806	Strand	+

Start	7396	End	8722
Name	OJ990903_04.9B12.C12.o2.np	Method	AAT/NAP
Start	7396	End	8722
GI	6907088	Score	560
Exons	7396..7533, 7709..7943, 8404..8722		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	1834	Seq. ID	OJ990903_04.9B12.C12
Gene No.	3807	Strand	-
Start	2932	End	8722
Name	OJ990903_04.9B12.C12.o2.gs	Method	GENSCAN
Start	2932	End	3246
GI	none	Score	.83
Exons	2932..3246		

Seq. No.	1834	Seq. ID	OJ990903_04.9B12.C12
Gene No.	3807	Strand	-
Start	2932	End	8722
Name	OJ990903_04.9B12.C12.o1.np	Method	AAT/NAP
Start	2974	End	8722
GI	5852080	Score	131
Exons	2974..3461, 4655..4710, 8507..8722		
GI Descrip.	(AL117264) zwh0003.1 [Oryza sativa]		

Seq. No.	1834	Seq. ID	OJ990903_04.9B12.C12
Gene No.	3807	Strand	-
Start	2932	End	8722
Name	OJ990903_04.9B12.C12.o3.gs	Method	GENSCAN
Start	4484	End	8722
GI	none	Score	.72
Exons	4484..4710, 4724..4882, 5658..5797, 6898..6946, 8683..8722		

Seq. No.	1835	Seq. ID	OJ990903_04.9B12.C13
Gene No.	3808	Strand	+
Start	208	End	4522
Name	OJ990903_04.9B12.C13.o1.gs	Method	GENSCAN
Start	208	End	4522
GI	none	Score	.58
Exons	208..322, 914..1030, 1203..1984, 2210..2581, 2765..2945, 2951..3091, 3175..3287, 3373..3581, 3687..3981, 4058..4156, 4227..4522		

Seq. No.	1835	Seq. ID	OJ990903_04.9B12.C13
Gene No.	3808	Strand	+
Start	208	End	4522
Name	OJ990903_04.9B12.C13.o1.np	Method	AAT/NAP
Start	793	End	4509
GI	5690095	Score	998
Exons	793..1157, 1262..3122, 4454..4509		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		

Seq. No.	1835	Seq. ID	OJ990903_04.9B12.C13
Gene No.	3808	Strand	+
Start	208	End	4522
Name	OJ990903_04.9B12.C13.o2.np	Method	AAT/NAP
Start	1493	End	2672
GI	5441880	Score	422

Exons 1493..1659, 1753..2672
 GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	1835	Seq. ID	OJ990903_04.9B12.C13
Gene No.	3808	Strand	+
Start	208	End	4522
Name	OJ990903_04.9B12.C13.o1.tm	Method	TBLASTX:Maize
Start	2150	End	2716
GI	none	Score	124
Exons	2150..2299, 2327..2716, 2332..2694		

Seq. No.	1835	Seq. ID	OJ990903_04.9B12.C13
Gene No.	3808	Strand	+
Start	208	End	4522
Name	OJ990903_04.9B12.C13.o2.tm	Method	TBLASTX:Maize
Start	3373	End	3981
GI	none	Score	222
Exons	3373..3582, 3423..3581, 3466..3582, 3679..3756, 3796..3981		

Seq. No.	1836	Seq. ID	OJ990903_04.9B12.C14
Gene No.	3809	Strand	+
Start	1	End	1700
Name	OJ990903_04.9B12.C14.o1.np	Method	AAT/NAP
Start	1	End	1700
GI	5852080	Score	95
Exons	1..48, 433..596, 668..963, 1646..1700		
GI Descrip.	(AL117264) zwh0003.1 [Oryza sativa]		

Seq. No.	1836	Seq. ID	OJ990903_04.9B12.C14
Gene No.	3809	Strand	+
Start	1	End	1700
Name	OJ990903_04.9B12.C14.o1.gs	Method	GENSCAN
Start	569	End	889
GI	none	Score	.91
Exons	569..889		

Seq. No.	1836	Seq. ID	OJ990903_04.9B12.C14
Gene No.	3810	Strand	-
Start	1230	End	2391
Name	OJ990903_04.9B12.C14.o2.gs	Method	GENSCAN
Start	1230	End	2391
GI	none	Score	.78
Exons	1230..1455, 1651..1738, 1950..2083, 2259..2391		

Seq. No.	1837	Seq. ID	OJ990903_04.9B12.C15
Gene No.	3811	Strand	+
Start	250	End	299
Name	OJ990903_04.9B12.C15.o1.gs	Method	GENSCAN
Start	250	End	299
GI	none	Score	.59
Exons	250..299		

Seq. No.	1837	Seq. ID	OJ990903_04.9B12.C15
Gene No.	3812	Strand	-
Start	1	End	805

Name	OJ990903_04.9B12.C15.o1.np	Method	AAT/NAP
Start	1	End	805
GI	5734635	Score	319
Exons	1..474, 661..805		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	1838	Seq. ID	OJ990903_04.9B12.C17
Gene No.	3813	Strand	+
Start	1	End	604
Name	OJ990903_04.9B12.C17.o1.np	Method	AAT/NAP
Start	1	End	604
GI	1709563	Score	989
Exons	1..604		
GI Descrip.	PHENYLALANINE AMMONIA-LYASE gi 2130081 pir S66313 phenylalanine ammonia-lyase (EC 4.3.1.5) - rice gi 871494 emb CAA61198 (X87946) phenylalanine ammonia-lyase [Oryza sativa]		

Seq. No.	1838	Seq. ID	OJ990903_04.9B12.C17
Gene No.	3813	Strand	+
Start	1	End	604
Name	OJ990903_04.9B12.C17.o1.tm	Method	TBLASTX:Maize
Start	2	End	593
GI	none	Score	914
Exons	2..592, 3..593, 224..286, 314..391, 370..432		

Seq. No.	1838	Seq. ID	OJ990903_04.9B12.C17
Gene No.	3813	Strand	+
Start	1	End	604
Name	OJ990903_04.9B12.C17.o1.ts	Method	TBLASTX:Soybean
Start	2	End	593
GI	none	Score	904
Exons	2..589, 3..593, 387..593		

Seq. No.	1838	Seq. ID	OJ990903_04.9B12.C17
Gene No.	3813	Strand	+
Start	1	End	604
Name	OJ990903_04.9B12.C17.o1.tw	Method	TBLASTX:Wheat
Start	2	End	595
GI	none	Score	974
Exons	2..589, 3..593, 161..226, 387..593, 428..595		

Seq. No.	1838	Seq. ID	OJ990903_04.9B12.C17
Gene No.	3813	Strand	+
Start	1	End	604
Name	OJ990903_04.9B12.C17.o1.tc	Method	TBLASTX:Cress
Start	3	End	593
GI	none	Score	919
Exons	3..593, 71..592		

Seq. No.	1838	Seq. ID	OJ990903_04.9B12.C17
Gene No.	3813	Strand	+
Start	1	End	604
Name	OJ990903_04.9B12.C17.o1.gs	Method	GENSCAN
Start	15	End	590
GI	none	Score	.95
Exons	15..590		

Seq. No.	1839	Seq. ID	OJ990903_04.9B12.C18
Gene No.	3814	Strand	-
Start	141	End	683
Name	OJ990903_04.9B12.C18.o1.np	Method	AAT/NAP
Start	141	End	683
GI	5852079	Score	135
Exons	141..683		
GI Descrip.	(AL117264) zwh0002.1 [Oryza sativa]		

Seq. No.	1839	Seq. ID	OJ990903_04.9B12.C18
Gene No.	3814	Strand	-
Start	141	End	683
Name	OJ990903_04.9B12.C18.o1.gs	Method	GENSCAN
Start	178	End	482
GI	none	Score	.63
Exons	178..482		

Seq. No.	1840	Seq. ID	OJ990903_04.9B12.C20
Gene No.	3815	Strand	-
Start	1	End	640
Name	OJ990903_04.9B12.C20.o1.np	Method	AAT/NAP
Start	1	End	640
GI	6457937	Score	543
Exons	1..640		
GI Descrip.	(AE001888) glycogen operon protein GlgX [Deinococcus radiodurans]		

Seq. No.	1840	Seq. ID	OJ990903_04.9B12.C20
Gene No.	3815	Strand	-
Start	1	End	640
Name	OJ990903_04.9B12.C20.o1.tm	Method	TBLASTX:Maize
Start	46	End	477
GI	none	Score	41
Exons	46..477, 47..190, 263..409, 273..413		

Seq. No.	1840	Seq. ID	OJ990903_04.9B12.C20
Gene No.	3815	Strand	-
Start	1	End	640
Name	OJ990903_04.9B12.C20.o1.gs	Method	GENSCAN
Start	70	End	564
GI	none	Score	.96
Exons	70..564		

Seq. No.	1840	Seq. ID	OJ990903_04.9B12.C20
Gene No.	3815	Strand	-
Start	1	End	640
Name	OJ990903_04.9B12.C20.o1.ts	Method	TBLASTX:Soybean
Start	184	End	429
GI	none	Score	100
Exons	184..429, 260..409		

Seq. No.	1841	Seq. ID	OJ990903_04.9B12.C23
Gene No.	3816	Strand	-
Start	1488	End	4241
Name	OJ990903_04.9B12.C23.o1.gs	Method	GENSCAN
Start	1488	End	4241
GI	none	Score	.72

Exons 1488..1636, 2422..2760, 2774..3145, 3184..3419, 3776..4148, 4157..4241

Seq. No. 1842 Seq. ID OJ990903_04.9B12.C24
Gene No. 3817 Strand +
Start 582 End 1430
Name OJ990903_04.9B12.C24.o1.gs Method GENSCAN
Start 582 End 1430
GI none Score .9
Exons 582..1430

Seq. No. 1843 Seq. ID OJ990903_04.9B12.C27
Gene No. 3818 Strand +
Start 719 End 2144
Name OJ990903_04.9B12.C27.o1.np Method AAT/NAP
Start 719 End 2144
GI 5852084 Score 76
Exons 719..835, 2055..2144
GI Descrip. (AL117264) zwh0007.1 [Oryza sativa]

Seq. No. 1843 Seq. ID OJ990903_04.9B12.C27
Gene No. 3819 Strand +
Start 3529 End 9081
Name OJ990903_04.9B12.C27.o2.np Method AAT/NAP
Start 3529 End 6034
GI 5922623 Score 214
Exons 3529..3614, 4006..4158, 4326..4401, 4777..4876, 5929..6034
GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No. 1843 Seq. ID OJ990903_04.9B12.C27
Gene No. 3819 Strand +
Start 3529 End 9081
Name OJ990903_04.9B12.C27.o2.gs Method GENSCAN
Start 5699 End 9081
GI none Score .95
Exons 5699..6296, 6752..6900, 7528..7797, 7957..7998, 8401..8499, 8574..8666, 8824..8901, 8995..9081

Seq. No. 1843 Seq. ID OJ990903_04.9B12.C27
Gene No. 3820 Strand -
Start 2097 End 4046
Name OJ990903_04.9B12.C27.o1.gs Method GENSCAN
Start 2097 End 4046
GI none Score .46
Exons 2097..2168, 2603..2884, 2971..3072, 3562..3732, 3984..4046

Seq. No. 1844 Seq. ID OJ990903_04.9B12.C28
Gene No. 3821 Strand +
Start 87 End 472
Name OJ990903_04.9B12.C28.o1.gs Method GENSCAN
Start 87 End 472
GI none Score .69
Exons 87..178, 350..472

Seq. No. 1844 Seq. ID OJ990903_04.9B12.C28

Gene No.	3822	Strand	-
Start	2830	End	6528
Name	OJ990903_04.9B12.C28.o2.gs	Method	GENSCAN
Start	2830	End	6528
GI	none	Score	.43
Exons	2830..3045, 3948..4298, 4407..4676, 4807..4857, 4859..4989, 5593..5720, 6157..6377, 6478..6528		
Seq. No.	1844	Seq. ID	OJ990903_04.9B12.C28
Gene No.	3822	Strand	-
Start	2830	End	6528
Name	OJ990903_04.9B12.C28.o1.np	Method	AAT/NAP
Start	2878	End	4885
GI	2129829	Score	321
Exons	2878..2912, 4044..4702, 4807..4885		
GI Descrip.	heat shock transcription factor 29 - soybean (fragment) gi 671866 emb CAA87075 (Z46951) heat shock transcription factor 29 [Glycine max]		
Seq. No.	1844	Seq. ID	OJ990903_04.9B12.C28
Gene No.	3823	Strand	-
Start	7944	End	8649
Name	OJ990903_04.9B12.C28.o3.gs	Method	GENSCAN
Start	7944	End	8612
GI	none	Score	1
Exons	7944..8612		
Seq. No.	1844	Seq. ID	OJ990903_04.9B12.C28
Gene No.	3823	Strand	-
Start	7944	End	8649
Name	OJ990903_04.9B12.C28.o2.np	Method	AAT/NAP
Start	7947	End	8600
GI	1196835	Score	1173
Exons	7947..8600		
GI Descrip.	(L76377) osmotin [Oryza sativa]		
Seq. No.	1844	Seq. ID	OJ990903_04.9B12.C28
Gene No.	3823	Strand	-
Start	7944	End	8649
Name	OJ990903_04.9B12.C28.o1.gp	Method	AAT/GAP
Start	8008	End	8649
GI	24353_1.R1084	Score	1259
Exons	8008..8649		
GI Descrip.	'1196835 2.0e-88 (L76377). osmotin [Oryza sativa]'		
Seq. No.	1844	Seq. ID	OJ990903_04.9B12.C28
Gene No.	3824	Strand	-
Start	9275	End	10201
Name	OJ990903_04.9B12.C28.o2.ts	Method	TBLASTX:Soybean
Start	4077	End	4949
GI	none	Score	60
Exons	4077..4232, 4331..4390, 4643..4702, 4655..4705, 4778..4858, 4807..4860, 4807..4860, 4863..4949, 4871..4948		
Seq. No.	1844	Seq. ID	OJ990903_04.9B12.C28
Gene No.	3824	Strand	-
Start	9275	End	10201

Name	OJ990903_04.9B12.C28.o2.tw	Method	TBLASTX:Wheat
Start	4619	End	4943
GI	none	Score	37
Exons	4619..4657, 4620..4658, 4633..4701, 4643..4702, 4644..4712, 4807..4860, 4808..4858, 4863..4943, 4871..4942		

Seq. No.	1844	Seq. ID	OJ990903_04.9B12.C28
Gene No.	3824	Strand	-
Start	9275	End	10201
Name	OJ990903_04.9B12.C28.o2.tc	Method	TBLASTX:Cress
Start	4644	End	4949
GI	none	Score	52
Exons	4644..4712, 4658..4702, 4807..4860, 4808..4855, 4863..4949, 4871..4942		

Seq. No.	1844	Seq. ID	OJ990903_04.9B12.C28
Gene No.	3824	Strand	-
Start	9275	End	10201
Name	OJ990903_04.9B12.C28.o2.tm	Method	TBLASTX:Maize
Start	4658	End	4943
GI	none	Score	64
Exons	4658..4702, 4659..4712, 4807..4860, 4807..4860, 4830..4865, 4863..4943, 4871..4942		

Seq. No.	1844	Seq. ID	OJ990903_04.9B12.C28
Gene No.	3824	Strand	-
Start	9275	End	10201
Name	OJ990903_04.9B12.C28.o1.tm	Method	TBLASTX:Maize
Start	7936	End	10114
GI	none	Score	89
Exons	7936..8070, 7944..8075, 8091..8150, 8093..8170, 8205..8363, 8215..8367, 8370..8534, 8392..8451, 8445..8522, 9487..9603, 9491..9778, 9597..9779, 9779..10114, 9780..10022, 10019..10099		

Seq. No.	1844	Seq. ID	OJ990903_04.9B12.C28
Gene No.	3824	Strand	-
Start	9275	End	10201
Name	OJ990903_04.9B12.C28.o1.ts	Method	TBLASTX:Soybean
Start	7944	End	10114
GI	none	Score	80
Exons	7944..8093, 7948..8079, 8077..8151, 8091..8150, 8212..8376, 8214..8375, 8361..8534, 8362..8442, 8430..8522, 9494..9634, 9502..9600, 9635..9754, 9645..9740, 9773..10114, 9774..10028		

Seq. No.	1844	Seq. ID	OJ990903_04.9B12.C28
Gene No.	3824	Strand	-
Start	9275	End	10201
Name	OJ990903_04.9B12.C28.o1.tc	Method	TBLASTX:Cress
Start	7947	End	10118
GI	none	Score	43
Exons	7947..7973, 7983..8087, 7984..8076, 8089..8151, 8091..8150, 8212..8367, 8214..8363, 8370..8495, 8478..8537, 9497..9523, 9533..9664, 9644..9745, 9645..9746, 9785..10075, 9786..10028, 10055..10117, 10065..10118		

Seq. No.	1844	Seq. ID	OJ990903_04.9B12.C28
Gene No.	3824	Strand	-

Start	9275	End	10201
Name	OJ990903_04.9B12.C28.o1.tw	Method	TBLASTX:Wheat
Start	8247	End	10118
GI	none	Score	98
Exons	8247..8375, 8278..8376, 8367..8537, 8368..8538, 9830..10117, 9831..10118		

Seq. No.	1844	Seq. ID	OJ990903_04.9B12.C28
Gene No.	3824	Strand	-
Start	9275	End	10201
Name	OJ990903_04.9B12.C28.o2.gp	Method	AAT/GAP
Start	9275	End	10201
GI	1031_2.R1084	Score	1770
Exons	9275..10201		
GI Descrip.	'2062387 1.0e-112 (U77656) pathogenesis-related thaumatin-like protein [Oryza sativa]'		

Seq. No.	1844	Seq. ID	OJ990903_04.9B12.C28
Gene No.	3824	Strand	-
Start	9275	End	10201
Name	OJ990903_04.9B12.C28.o4.gs	Method	GENSCAN
Start	9494	End	10183
GI	none	Score	1
Exons	9494..10183		

Seq. No.	1844	Seq. ID	OJ990903_04.9B12.C28
Gene No.	3824	Strand	-
Start	9275	End	10201
Name	OJ990903_04.9B12.C28.o3.np	Method	AAT/NAP
Start	9497	End	10045
GI	2062387	Score	989
Exons	9497..10045		
GI Descrip.	(U77656) pathogenesis-related thaumatin-like protein [Oryza sativa]		

Seq. No.	1845	Seq. ID	OJ990903_04.9B12.C30
Gene No.	3825	Strand	+
Start	209	End	1199
Name	OJ990903_04.9B12.C30.o1.gs	Method	GENSCAN
Start	209	End	1199
GI	none	Score	.83
Exons	209..446, 575..730, 985..1199		

Seq. No.	1845	Seq. ID	OJ990903_04.9B12.C30
Gene No.	3826	Strand	-
Start	2113	End	2328
Name	OJ990903_04.9B12.C30.o2.gs	Method	GENSCAN
Start	2113	End	2328
GI	none	Score	.6
Exons	2113..2328		

Seq. No.	1846	Seq. ID	OJ990903_04.9B12.C31
Gene No.	3827	Strand	-
Start	6127	End	9356
Name	OJ990903_04.9B12.C31.o2.gs	Method	GENSCAN
Start	6127	End	9356
GI	none	Score	.47

Exons 6127..6546, 8673..8716, 8760..9001, 9222..9356

Seq. No. 1847 Seq. ID OJ990903_04.9B12.C32
Gene No. 3828 Strand +
Start 2587 End 4712
Name OJ990903_04.9B12.C32.o3.np Method AAT/NAP
Start 2587 End 4712
GI 3900977 Score 74
Exons 2587..2623, 3747..3838, 4596..4712
GI Descrip. (X53066) ribosomal protein L2 [Zea mays]

Seq. No. 1847 Seq. ID OJ990903_04.9B12.C32
Gene No. 3828 Strand +
Start 2587 End 4712
Name OJ990903_04.9B12.C32.o2.np Method AAT/NAP
Start 3085 End 3189
GI 140310 Score 134
Exons 3085..3189
GI Descrip. PHOTOSYSTEM II REACTION CENTER T PROTEIN gi|82528|pir||JQ0254
hypothetical 4K protein (psbH-petB intergenic region) - rice
chloroplast gi|12014|emb|CAA33974| (X15901) ORF35 [Oryza sativa]
gi|2143324|emb|CAA73766.1| (Y13328) PSII subunit [Populus
deltoides] gi|226636|prf||1603356BK ORF 35 [Oryza sativa]

Seq. No. 1847 Seq. ID OJ990903_04.9B12.C32
Gene No. 3829 Strand -
Start 1 End 4658
Name OJ990903_04.9B12.C32.o4.np Method AAT/NAP
Start 1 End 4137
GI 133446 Score 52
Exons 1..49, 4073..4137
GI Descrip. DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi|66986|pir||RNRZC2
DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - rice
chloroplast gi|11973|emb|CAA33988| (X15901) RNA polymerase beta'
subunit-2 [Oryza sativa]

Seq. No. 1847 Seq. ID OJ990903_04.9B12.C32
Gene No. 3829 Strand -
Start 1 End 4658
Name OJ990903_04.9B12.C32.o1.np Method AAT/NAP
Start 1175 End 3627
GI 128803 Score 206
Exons 1175..1252, 2420..2577, 3505..3627
GI Descrip. NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 6, CHLOROPLAST
gi|66198|pir||DERZN6 NADH dehydrogenase (ubiquinone) (EC
1.6.5.3) chain 6 - rice chloroplast gi|12053|emb|CAA33908|
(X15901) NADH dehydrogenase ND6 [Oryza sativa]
gi|226674|prf||1603356DB NADH dehydrogenase ND6 [Oryza sativa]

Seq. No. 1847 Seq. ID OJ990903_04.9B12.C32
Gene No. 3829 Strand -
Start 1 End 4658
Name OJ990903_04.9B12.C32.o1.gs Method GENSCAN
Start 1345 End 4658
GI none Score .49
Exons 1345..1749, 3660..3741, 4027..4179, 4559..4658

Seq. No.	1847	Seq. ID	OJ990903_04.9B12.C32
Gene No.	3829	Strand	-
Start	1	End	4658
Name	OJ990903_04.9B12.C32.o2.gp	Method	AAT/GAP
Start	3973	End	4376
GI	5005311	Score	86
Exons	3973..4037, 4356..4376		
GI Descrip.	114521/sp P12084 ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir_PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_(X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf_1603356X ATPase alpha [Oryza sativa]		

Seq. No.	1848	Seq. ID	OJ990903_04.9B12.C33
Gene No.	3830	Strand	+
Start	726	End	1884
Name	OJ990903_04.9B12.C33.o1.gs	Method	GENSCAN
Start	726	End	1884
GI	none	Score	.42
Exons	726..748, 1800..1884		

Seq. No.	1848	Seq. ID	OJ990903_04.9B12.C33
Gene No.	3831	Strand	-
Start	835	End	2953
Name	OJ990903_04.9B12.C33.o1.np	Method	AAT/NAP
Start	835	End	2937
GI	5823556	Score	634
Exons	835..925, 2054..2937		
GI Descrip.	(AF181096) ferric leghemoglobin reductase [Vigna unguiculata]		

Seq. No.	1848	Seq. ID	OJ990903_04.9B12.C33
Gene No.	3831	Strand	-
Start	835	End	2953
Name	OJ990903_04.9B12.C33.o2.gs	Method	GENSCAN
Start	2050	End	2859
GI	none	Score	.83
Exons	2050..2178, 2246..2389, 2566..2639, 2772..2859		

Seq. No.	1848	Seq. ID	OJ990903_04.9B12.C33
Gene No.	3831	Strand	-
Start	835	End	2953
Name	OJ990903_04.9B12.C33.o1.tc	Method	TBLASTX:Cress
Start	2053	End	2945
GI	none	Score	94
Exons	2053..2226, 2096..2230, 2220..2246, 2247..2276, 2279..2359, 2279..2353, 2280..2360, 2353..2574, 2364..2573, 2368..2577, 2588..2647, 2590..2646, 2669..2764, 2673..2750, 2744..2854, 2779..2853, 2834..2896, 2892..2945, 2896..2937		

Seq. No.	1848	Seq. ID	OJ990903_04.9B12.C33
Gene No.	3831	Strand	-
Start	835	End	2953
Name	OJ990903_04.9B12.C33.o1.ts	Method	TBLASTX:Soybean
Start	2053	End	2953
GI	none	Score	40
Exons	2053..2226, 2089..2211, 2096..2230, 2220..2246, 2247..2276, 2279..2353, 2279..2353, 2280..2360, 2353..2574, 2364..2573,		

2588..2641, 2590..2646, 2628..2762, 2669..2764, 2744..2854,
2779..2853, 2834..2896, 2835..2891, 2892..2945, 2909..2953

Seq. No.	1848	Seq. ID	OJ990903_04.9B12.C33
Gene No.	3831	Strand	-
Start	835	End	2953
Name	OJ990903_04.9B12.C33.ol.tm	Method	TBLASTX:Maize
Start	2053	End	2945
GI	none	Score	109
Exons	2053..2229, 2057..2230, 2069..2239, 2247..2276, 2248..2274, 2279..2359, 2279..2356, 2280..2381, 2353..2574, 2364..2573, 2588..2647, 2590..2646, 2669..2764, 2673..2765, 2743..2853, 2744..2845, 2834..2902, 2850..2891, 2892..2945, 2893..2937		

Seq. No.	1848	Seq. ID	OJ990903_04.9B12.C33
Gene No.	3831	Strand	-
Start	835	End	2953
Name	OJ990903_04.9B12.C33.ol.tw	Method	TBLASTX:Wheat
Start	2143	End	2438
GI	none	Score	116
Exons	2143..2229, 2144..2230, 2157..2240, 2220..2249, 2247..2276, 2248..2274, 2279..2356, 2280..2381, 2353..2436, 2361..2438, 2364..2438		

Seq. No.	1849	Seq. ID	OJ990903_04.9B12.C35
Gene No.	3832	Strand	+
Start	340	End	431
Name	OJ990903_04.9B12.C35.ol.gp	Method	AAT/GAP
Start	340	End	431
GI	5867_1.R1084	Score	132
Exons	340..431		
GI Descrip.	'464986/sp P35132 UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir_S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_(Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis]		

Seq. No.	1849	Seq. ID	OJ990903_04.9B12.C35
Gene No.	3833	Strand	+
Start	459	End	762
Name	OJ990903_04.9B12.C35.ol.gs	Method	GENSCAN
Start	459	End	762
GI	none	Score	.46
Exons	459..513, 689..762		

Seq. No.	1850	Seq. ID	OJ990903_04.9B12.C37
Gene No.	3834	Strand	+
Start	318	End	649
Name	OJ990903_04.9B12.C37.ol.gs	Method	GENSCAN
Start	318	End	649
GI	none	Score	.41
Exons	318..649		

Seq. No.	1851	Seq. ID	OJ990903_04.9B12.C39
Gene No.	3835	Strand	-

Start 29
 Name OJ990903_04.9B12.C39.o1.gs
 Start 29
 GI none
 Exons 29..139, 212..295

End 295
 Method GENSCAN
 End 295
 Score .82

Seq. No. 1852
 Gene No. 3836
 Start 76
 Name OJ990903_04.9B12.C40.o1.gs
 Start 76
 GI none
 Exons 76..178

Seq. ID OJ990903_04.9B12.C40
 Strand -
 End 178
 Method GENSCAN
 End 178
 Score .41

Seq. No. 1853
 Gene No. 3837
 Start 1
 Name OJ990823_08.9B10.C1.o1.gp
 Start 1
 GI 21448_1.R1084
 Exons 1..410

Seq. ID OJ990823_08.9B10.C1
 Strand +
 End 438
 Method AAT/GAP
 End 410
 Score 785

GI Descrip. '4467156/emb|CAB37525| 1.0e-40 (AL035540) putative protein [Arabidopsis thaliana]'

Seq. No. 1853
 Gene No. 3837
 Start 1
 Name OJ990823_08.9B10.C1.o1.tm
 Start 1
 GI none
 Exons 1..438, 24..437

Seq. ID OJ990823_08.9B10.C1
 Strand +
 End 438
 Method TBLASTX:Maize
 End 438
 Score 585

Seq. No. 1853
 Gene No. 3837
 Start 1
 Name OJ990823_08.9B10.C1.o1.tw
 Start 8
 GI none
 Exons 8..55, 9..83, 25..435, 27..434

Seq. ID OJ990823_08.9B10.C1
 Strand +
 End 438
 Method TBLASTX:Wheat
 End 435
 Score 89

Seq. No. 1853
 Gene No. 3837
 Start 1
 Name OJ990823_08.9B10.C1.o1.tc
 Start 36
 GI none
 Exons 36..329, 40..435, 211..435

Seq. ID OJ990823_08.9B10.C1
 Strand +
 End 438
 Method TBLASTX:Cress
 End 435
 Score 391

Seq. No. 1853
 Gene No. 3837
 Start 1
 Name OJ990823_08.9B10.C1.o1.gs
 Start 40
 GI none
 Exons 40..420

Seq. ID OJ990823_08.9B10.C1
 Strand +
 End 438
 Method GENSCAN
 End 420
 Score .9

Seq. No. 1853

Seq. ID OJ990823_08.9B10.C1

Gene No.	3837	Strand	+
Start	1	End	438
Name	OJ990823_08.9B10.C1.o1.np	Method	AAT/NAP
Start	40	End	438
GI	4467156	Score	463
Exons	40..438		
GI Descrip.	(AL035540) putative protein [Arabidopsis thaliana]		

Seq. No.	1853	Seq. ID	OJ990823_08.9B10.C1
Gene No.	3837	Strand	+
Start	1	End	438
Name	OJ990823_08.9B10.C1.o1.ts	Method	TBLASTX:Soybean
Start	55	End	435
GI	none	Score	393
Exons	55..108, 58..435, 126..329, 202..420		

Seq. No.	1854	Seq. ID	OJ990823_08.9B10.C3
Gene No.	3838	Strand	+
Start	1	End	327
Name	OJ990823_08.9B10.C3.o1.np	Method	AAT/NAP
Start	1	End	327
GI	4416302	Score	292
Exons	1..327		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	1854	Seq. ID	OJ990823_08.9B10.C3
Gene No.	3838	Strand	+
Start	1	End	327
Name	OJ990823_08.9B10.C3.o1.tm	Method	TBLASTX:Maize
Start	2	End	308
GI	none	Score	264
Exons	2..220, 3..221, 216..308		

Seq. No.	1854	Seq. ID	OJ990823_08.9B10.C3
Gene No.	3838	Strand	+
Start	1	End	327
Name	OJ990823_08.9B10.C3.o1.tw	Method	TBLASTX:Wheat
Start	2	End	125
GI	none	Score	174
Exons	2..118, 3..125		

Seq. No.	1854	Seq. ID	OJ990823_08.9B10.C3
Gene No.	3838	Strand	+
Start	1	End	327
Name	OJ990823_08.9B10.C3.o1.ts	Method	TBLASTX:Soybean
Start	2	End	323
GI	none	Score	173
Exons	2..211, 3..218, 240..323		

Seq. No.	1854	Seq. ID	OJ990823_08.9B10.C3
Gene No.	3838	Strand	+
Start	1	End	327
Name	OJ990823_08.9B10.C3.o1.gs	Method	GENSCAN
Start	30	End	305
GI	none	Score	.74
Exons	30..305		

Seq. No.	1855	Seq. ID	OJ990823_08.9B10.C4
Gene No.	3839	Strand	+
Start	1	End	4439
Name	OJ990823_08.9B10.C4.ol.np	Method	AAT/NAP
Start	1	End	2007
GI	417154	Score	517
Exons	1..726, 1967..2007		
GI Descrip.	HEAT SHOCK PROTEIN 82 gi 100685 pir S25541 heat shock protein 82 - rice (strain Taichung Native One) gi 20256 emb CAA77978 (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]		

Seq. No.	1855	Seq. ID	OJ990823_08.9B10.C4
Gene No.	3839	Strand	+
Start	1	End	4439
Name	OJ990823_08.9B10.C4.ol.gs	Method	GENSCAN
Start	462	End	4439
GI	none	Score	.66
Exons	462..855, 943..1064, 1193..1233, 1566..1669, 2606..3008, 3183..3320, 4409..4439		

Seq. No.	1855	Seq. ID	OJ990823_08.9B10.C4
Gene No.	3840	Strand	-
Start	2063	End	2313
Name	OJ990823_08.9B10.C4.ol.tc	Method	TBLASTX:Cress
Start	257	End	722
GI	none	Score	283
Exons	257..439, 258..443, 431..556, 435..539, 516..566, 546..722, 546..722		

Seq. No.	1855	Seq. ID	OJ990823_08.9B10.C4
Gene No.	3840	Strand	-
Start	2063	End	2313
Name	OJ990823_08.9B10.C4.ol.tw	Method	TBLASTX:Wheat
Start	257	End	722
GI	none	Score	283
Exons	257..442, 258..443, 259..447, 397..588, 435..539, 516..566, 546..722, 546..722		

Seq. No.	1855	Seq. ID	OJ990823_08.9B10.C4
Gene No.	3840	Strand	-
Start	2063	End	2313
Name	OJ990823_08.9B10.C4.ol.tm	Method	TBLASTX:Maize
Start	257	End	723
GI	none	Score	159
Exons	257..394, 257..442, 258..443, 406..588, 435..539, 457..540, 516..566, 546..722, 546..722, 586..723		

Seq. No.	1855	Seq. ID	OJ990823_08.9B10.C4
Gene No.	3840	Strand	-
Start	2063	End	2313
Name	OJ990823_08.9B10.C4.ol.ts	Method	TBLASTX:Soybean
Start	257	End	722
GI	none	Score	276
Exons	257..442, 258..443, 340..447, 431..493, 435..494, 447..497, 516..566, 542..721, 546..722		

Seq. No.	1855	Seq. ID	OJ990823_08.9B10.C4
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Gene No.	3840	Strand	-
Start	2063	End	2313
Name	OJ990823_08.9B10.C4.o1.gp	Method	AAT/GAP
Start	2063	End	2313
GI	3762139	Score	368
Exons	2063..2313		
GI Descrip.	4803924/gb AAD29797.1 AC006264_5 1.0e-09 (AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]		

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3841	Strand	+
Start	146	End	3973
Name	OJ990823_08.9B10.C5.o1.gs	Method	GENSCAN
Start	146	End	3973
GI	none	Score	.58
Exons	146..249, 294..405, 827..899, 1961..2102, 3866..3973		

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3842	Strand	+
Start	7690	End	10613
Name	OJ990823_08.9B10.C5.o2.np	Method	AAT/NAP
Start	7690	End	10415
GI	6056193	Score	1222
Exons	7690..8042, 8877..8901, 9224..9353, 9447..9577, 9660..9748, 10133..10209, 10285..10415		
GI Descrip.	(AC009400) transcription initiation factor IIB (TFIIB) [Arabidopsis thaliana]		

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3842	Strand	+
Start	7690	End	10613
Name	OJ990823_08.9B10.C5.o3.gs	Method	GENSCAN
Start	7690	End	10418
GI	none	Score	.97
Exons	7690..8042, 8877..8901, 9224..9353, 9447..9577, 9660..9748, 10133..10209, 10285..10418		

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3842	Strand	+
Start	7690	End	10613
Name	OJ990823_08.9B10.C5.o2.gp	Method	AAT/GAP
Start	7977	End	10613
GI	32881_1.R1084	Score	1527
Exons	7977..8042, 8877..8901, 9224..9352, 9445..9577, 9660..9748, 10133..10209, 10285..10613		
GI Descrip.	'1351222/sp P48513 TF2B_SOYBN 2.0e-93 TRANSCRIPTION INITIATION FACTOR IIB (TFIIB) >gi_945087 (U31097) transcription factor TFIIB [Glycine max]'		

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3843	Strand	+
Start	14966	End	15055
Name	OJ990823_08.9B10.C5.o4.gp	Method	AAT/GAP
Start	14966	End	15055
GI	none	Score	141
Exons	14966..15055		

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3844	Strand	+
Start	16778	End	16942
Name	OJ990823_08.9B10.C5.o5.gp	Method	AAT/GAP
Start	16778	End	16942
GI	56074_1.R1084	Score	322
Exons	16778..16942		
GI Descrip.	'4803924/gb AAD29797.1 AC006264_5 1.0e-09 (AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]'		

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3845	Strand	-
Start	1259	End	16942
Name	OJ990823_08.9B10.C5.o1.np	Method	AAT/NAP
Start	1259	End	16942
GI	4680183	Score	202
Exons	1259..1348, 1956..2026, 16842..16942		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3845	Strand	-
Start	1259	End	16942
Name	OJ990823_08.9B10.C5.o2.gs	Method	GENSCAN
Start	4869	End	5527
GI	none	Score	.92
Exons	4869..5376, 5463..5527		

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3845	Strand	-
Start	1259	End	16942
Name	OJ990823_08.9B10.C5.o1.tm	Method	TBLASTX:Maize
Start	7686	End	10480
GI	none	Score	618
Exons	7686..8051, 7687..8040, 9203..9352, 9221..9352, 9223..9354, 9223..9357, 9440..9577, 9444..9572, 9446..9583, 9642..9749, 9660..9749, 9661..9750, 10131..10214, 10132..10215, 10132..10200, 10145..10201, 10263..10478, 10269..10433, 10279..10479, 10283..10480, 10283..10480		

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3845	Strand	-
Start	1259	End	16942
Name	OJ990823_08.9B10.C5.o1.ts	Method	TBLASTX:Soybean
Start	7687	End	10418
GI	none	Score	398
Exons	7687..7941, 7695..7958, 7908..8045, 7930..8040, 9194..9349, 9221..9352, 9222..9353, 9223..9363, 9440..9577, 9445..9573, 9446..9574, 9639..9749, 9651..9749, 10131..10214, 10145..10204, 10269..10418, 10283..10414		

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3845	Strand	-
Start	1259	End	16942
Name	OJ990823_08.9B10.C5.o1.tc	Method	TBLASTX:Cress
Start	7722	End	10474
GI	none	Score	505
Exons	7722..8045, 7723..8040, 9221..9352, 9223..9357, 9440..9577,		

9445..9573, 9636..9749, 9651..9749, 10131..10214, 10145..10204,
10269..10418, 10283..10474

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3845	Strand	-
Start	1259	End	16942
Name	OJ990823_08.9B10.C5.o4.gs	Method	GENSCAN
Start	11002	End	11272
GI	none	Score	.86
Exons	11002..11100, 11129..11272		

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3845	Strand	-
Start	1259	End	16942
Name	OJ990823_08.9B10.C5.o3.gp	Method	AAT/GAP
Start	11651	End	13942
GI	3625_1.R1084	Score	2006
Exons	11651..11691, 11728..12103, 12225..12307, 12667..12840, 12933..13065, 13232..13316, 13533..13656, 13841..13942		
GI Descrip.	'1174745/sp P46225 TPIC_SECCE 1.0e-124 TRIOSEPHOSPHATE ISOMERASE, CHLOROPLAST PRECURSOR (TIM) >gi_1363523_pir_S53761 triose-phosphate isomerase (EC 5.3.1.1) precursor, chloroplast - rye >gi_609262_emb_CAA83533_ (Z32521) triosephosphate isomerase [Secale cereale] >gi_1095494_prf_2109226B triosephosphate isomerase [Secale cereale]'		

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3845	Strand	-
Start	1259	End	16942
Name	OJ990823_08.9B10.C5.o2.tm	Method	TBLASTX:Maize
Start	11993	End	14847
GI	none	Score	90
Exons	11993..12130, 12017..12115, 12046..12117, 12224..12316, 12225..12308, 12664..12846, 12665..12847, 12665..12844, 12893..13066, 12919..13068, 12934..13068, 13212..13319, 13232..13318, 13533..13658, 13534..13659, 13535..13657, 13831..13908, 13842..13910, 14625..14678, 14632..14685, 14794..14847, 14795..14842		

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3845	Strand	-
Start	1259	End	16942
Name	OJ990823_08.9B10.C5.o2.tc	Method	TBLASTX:Cress
Start	12042	End	13321
GI	none	Score	73
Exons	12042..12110, 12047..12115, 12047..12130, 12216..12308, 12224..12313, 12225..12308, 12665..12850, 12665..12844, 12934..13068, 12935..13066, 12937..13068, 13212..13319, 13232..13321, 13232..13321		

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3845	Strand	-
Start	1259	End	16942
Name	OJ990823_08.9B10.C5.o2.ts	Method	TBLASTX:Soybean
Start	12047	End	14841
GI	none	Score	68
Exons	12047..12130, 12051..12104, 12224..12316, 12225..12308,		

12665..12844, 12666..12827, 12668..12847, 12930..13004,
 12932..13012, 12934..13068, 12935..13066, 13212..13319,
 13232..13318, 13533..13658, 13535..13657, 13842..13910,
 14534..14566, 14631..14678, 14632..14676, 14794..14841,
 14795..14821

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3845	Strand	-
Start	1259	End	16942
Name	OJ990823_08.9B10.C5.o5.gs	Method	GENSCAN
Start	12047	End	16889
GI	none	Score	.77
Exons	12047..12103, 12225..12307, 12667..12840, 12933..13065, 13232..13316, 13533..13656, 13841..13910, 14649..14675, 14794..14891, 16686..16889		

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3845	Strand	-
Start	1259	End	16942
Name	OJ990823_08.9B10.C5.o3.np	Method	AAT/NAP
Start	12050	End	14955
GI	1174745	Score	1050
Exons	12050..12103, 12225..12307, 12667..12840, 12933..13065, 13232..13316, 13533..13656, 13841..13910, 14649..14675, 14794..14955		

GI Descrip. TRIOSEPHOSPHATE ISOMERASE, CHLOROPLAST PRECURSOR (TIM)
 gi|1363523|pir||S53761 triose-phosphate isomerase (EC 5.3.1.1)
 precursor, chloroplast - rye gi|609262|emb|CAA83533| (Z32521)
 triosephosphate isomerase [Secale cereale]
 gi|1095494|prf||2109226B triosephosphate isomerase [Secale
 cereale]

Seq. No.	1856	Seq. ID	OJ990823_08.9B10.C5
Gene No.	3845	Strand	-
Start	1259	End	16942
Name	OJ990823_08.9B10.C5.o3.tc	Method	TBLASTX:Cress
Start	13533	End	14842
GI	none	Score	135
Exons	13533..13658, 13535..13657, 13842..13910, 14534..14566, 14631..14678, 14632..14685, 14794..14820, 14798..14842		

Seq. No.	1857	Seq. ID	OJ990823_08.9B10.C6
Gene No.	3846	Strand	+
Start	110	End	621
Name	OJ990823_08.9B10.C6.o1.gp	Method	AAT/GAP
Start	110	End	445
GI	56074_1.R1084	Score	637
Exons	110..445		
GI Descrip.	'4803924/gb AAD29797.1 AC006264_5 1.0e-09 (AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]'		

Seq. No.	1857	Seq. ID	OJ990823_08.9B10.C6
Gene No.	3846	Strand	+
Start	110	End	621
Name	OJ990823_08.9B10.C6.o1.gs	Method	GENSCAN
Start	122	End	621
GI	none	Score	.56

Exons 122..488, 578..621

Seq. No.	1857	Seq. ID	OJ990823_08.9B10.C6
Gene No.	3847	Strand	
Start	1357	End	1628
Name	OJ990823_08.9B10.C6.o1.tm	Method	TBLASTX:Maize
Start	1357	End	1628
GI	none	Score	83
Exons	1357..1401, 1357..1401, 1359..1403, 1494..1625, 1494..1535, 1495..1617, 1496..1624, 1581..1628		

Seq. No.	1858	Seq. ID	OJ990823_08.9B10.C7
Gene No.	3848	Strand	-
Start	910	End	1047
Name	OJ990823_08.9B10.C7.o1.gs	Method	GENSCAN
Start	910	End	1047
GI	none	Score	.49
Exons	910..1047		

Seq. No.	1858	Seq. ID	OJ990823_08.9B10.C7
Gene No.	3849	Strand	-
Start	968	End	1313
Name	OJ990823_08.9B10.C7.o1.gp	Method	AAT/GAP
Start	968	End	1313
GI	12231_1.R1084	Score	645
Exons	968..1313		
GI Descrip.	'3880441/emb CAB04890.1 2.0e-10 (Z82062) similar to Zinc finger, C3HC4 type (RING finger); cDNA EST EMBL:D76353 comes from this gene; cDNA EST EMBL:D71838 comes from this gene; cDNA EST EMBL:D74561 comes from this gene; cDNA EST EMBL:D73319 comes from this '		

Seq. No.	1859	Seq. ID	OJ990823_08.9B10.C8
Gene No.	3850	Strand	-
Start	1667	End	3346
Name	OJ990823_08.9B10.C8.o2.np	Method	AAT/NAP
Start	1667	End	3346
GI	6539588	Score	203
Exons	1667..1699, 3032..3346		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	1860	Seq. ID	OJ990823_08.9B10.C9
Gene No.	3851	Strand	+
Start	1667	End	4632
Name	OJ990823_08.9B10.C9.o1.gp	Method	AAT/GAP
Start	1667	End	2378
GI	32330_1.R1084	Score	1409
Exons	1667..2378		
GI Descrip.	'4581109/gb AAD24599.1 AC005825_6 6.0e-60 (AC005825) unknown protein [Arabidopsis thaliana]'		

Seq. No.	1860	Seq. ID	OJ990823_08.9B10.C9
Gene No.	3851	Strand	+
Start	1667	End	4632
Name	OJ990823_08.9B10.C9.o1.np	Method	AAT/NAP
Start	1908	End	4632
GI	4581109	Score	1768

Exons 1908..3082, 4164..4632
 GI Descrip. (AC005825) nodulin-like protein [Arabidopsis thaliana]

Seq. No.	1860	Seq. ID	OJ990823_08.9B10.C9
Gene No.	3851	Strand	+
Start	1667	End	4632
Name	OJ990823_08.9B10.C9.o2.gp	Method	AAT/GAP
Start	2812	End	4388
GI	16373_1.R1084	Score	901
Exons	2812..3082, 4164..4388		
GI Descrip.	'5123712/emb CAB45456.1 5.0e-53 (AL079347) putative protein [Arabidopsis thaliana]'		

Seq. No.	1860	Seq. ID	OJ990823_08.9B10.C9
Gene No.	3852	Strand	+
Start	4582	End	4887
Name	OJ990823_08.9B10.C9.o3.gp	Method	AAT/GAP
Start	4582	End	4887
GI	none	Score	596
Exons	4582..4887		

Seq. No.	1860	Seq. ID	OJ990823_08.9B10.C9
Gene No.	3853	Strand	-
Start	7708	End	8487
Name	OJ990823_08.9B10.C9.o1.ts	Method	TBLASTX:Soybean
Start	1946	End	2443
GI	none	Score	688
Exons	1946..2443, 1947..2432		

Seq. No.	1860	Seq. ID	OJ990823_08.9B10.C9
Gene No.	3853	Strand	-
Start	7708	End	8487
Name	OJ990823_08.9B10.C9.o1.tc	Method	TBLASTX:Cress
Start	1947	End	2443
GI	none	Score	275
Exons	1947..2141, 1949..2443, 2184..2432		

Seq. No.	1860	Seq. ID	OJ990823_08.9B10.C9
Gene No.	3853	Strand	-
Start	7708	End	8487
Name	OJ990823_08.9B10.C9.o1.tm	Method	TBLASTX:Maize
Start	1947	End	2390
GI	none	Score	319
Exons	1947..2390, 1949..2389		

Seq. No.	1860	Seq. ID	OJ990823_08.9B10.C9
Gene No.	3853	Strand	-
Start	7708	End	8487
Name	OJ990823_08.9B10.C9.o3.tc	Method	TBLASTX:Cress
Start	2844	End	3104
GI	none	Score	327
Exons	2844..3104, 2852..3082		

Seq. No.	1860	Seq. ID	OJ990823_08.9B10.C9
Gene No.	3853	Strand	-
Start	7708	End	8487
Name	OJ990823_08.9B10.C9.o3.tm	Method	TBLASTX:Maize

Start	2847	End	4311
GI	none	Score	209
Exons	2847..3083, 2858..3085, 4162..4311		

Seq. No.	1860	Seq. ID	OJ990823_08.9B10.C9
Gene No.	3853	Strand	-
Start	7708	End	8487
Name	OJ990823_08.9B10.C9.o2.ts	Method	TBLASTX:Soybean
Start	2963	End	4680
GI	none	Score	181
Exons	2963..3082, 2967..3104, 4129..4329, 4171..4338, 4432..4680, 4443..4589		

Seq. No.	1860	Seq. ID	OJ990823_08.9B10.C9
Gene No.	3853	Strand	-
Start	7708	End	8487
Name	OJ990823_08.9B10.C9.o2.tc	Method	TBLASTX:Cress
Start	4162	End	4656
GI	none	Score	319
Exons	4162..4335, 4408..4656, 4432..4641		

Seq. No.	1860	Seq. ID	OJ990823_08.9B10.C9
Gene No.	3853	Strand	-
Start	7708	End	8487
Name	OJ990823_08.9B10.C9.o2.np	Method	AAT/NAP
Start	7708	End	8487
GI	6069646	Score	355
Exons	7708..8487		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	1860	Seq. ID	OJ990823_08.9B10.C9
Gene No.	3853	Strand	-
Start	7708	End	8487
Name	OJ990823_08.9B10.C9.o2.tm	Method	TBLASTX:Maize
Start	7733	End	8314
GI	none	Score	35
Exons	7733..8314, 7805..7921, 7902..8267		

Seq. No.	1861	Seq. ID	OJ990823_08.9B10.C10
Gene No.	3854	Strand	-
Start	1	End	3807
Name	OJ990823_08.9B10.C10.o1.np	Method	AAT/NAP
Start	1	End	3807
GI	6069646	Score	569
Exons	1..870, 3752..3807		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	1861	Seq. ID	OJ990823_08.9B10.C10
Gene No.	3854	Strand	-

Start	1	End	3807
Name	OJ990823_08.9B10.C10.o2.np	Method	AAT/NAP
Start	935	End	2507
GI	92385	Score	86
Exons	935..1122, 2447..2507		
GI Descrip.	hypothetical protein - rat (fragment) gi 57053 emb CAA29033 (X05472) ORF 3 [Rattus norvegicus]		

Seq. No.	1861	Seq. ID	OJ990823_08.9B10.C10
Gene No.	3855	Strand	-
Start	6344	End	8427
Name	OJ990823_08.9B10.C10.o2.tm	Method	TBLASTX:Maize
Start	3	End	502
GI	none	Score	80
Exons	3..281, 127..282, 287..502, 360..416		

Seq. No.	1861	Seq. ID	OJ990823_08.9B10.C10
Gene No.	3855	Strand	-
Start	6344	End	8427
Name	OJ990823_08.9B10.C10.o3.tw	Method	TBLASTX:Wheat
Start	332	End	607
GI	none	Score	70
Exons	332..607, 360..428		

Seq. No.	1861	Seq. ID	OJ990823_08.9B10.C10
Gene No.	3855	Strand	-
Start	6344	End	8427
Name	OJ990823_08.9B10.C10.o1.tm	Method	TBLASTX:Maize
Start	509	End	1012
GI	none	Score	76
Exons	509..616, 510..623, 599..880, 602..775, 717..881, 884..1012, 885..998		

Seq. No.	1861	Seq. ID	OJ990823_08.9B10.C10
Gene No.	3855	Strand	-
Start	6344	End	8427
Name	OJ990823_08.9B10.C10.o4.tw	Method	TBLASTX:Wheat
Start	614	End	949
GI	none	Score	89
Exons	614..820, 809..949		

Seq. No.	1861	Seq. ID	OJ990823_08.9B10.C10
Gene No.	3855	Strand	-
Start	6344	End	8427
Name	OJ990823_08.9B10.C10.o2.gs	Method	GENSCAN
Start	6344	End	8411
GI	none	Score	.66
Exons	6344..6518, 7729..8411		

Seq. No.	1861	Seq. ID	OJ990823_08.9B10.C10
Gene No.	3855	Strand	-
Start	6344	End	8427
Name	OJ990823_08.9B10.C10.o3.np	Method	AAT/NAP
Start	6448	End	8420
GI	4467153	Score	810
Exons	6448..6518, 7729..8420		
GI Descrip.	(AL035540) putative thaumatin-like protein [Arabidopsis]		

thaliana]

Seq. No.	1861	Seq. ID	OJ990823_08.9B10.C10
Gene No.	3855	Strand	-
Start	6344	End	8427
Name	OJ990823_08.9B10.C10.o1.tc	Method	TBLASTX:Cress
Start	7725	End	8397
GI	none	Score	116
Exons	7725..7949, 7834..7950, 7965..8021, 8040..8090, 8115..8396, 8134..8397		

Seq. No.	1861	Seq. ID	OJ990823_08.9B10.C10
Gene No.	3855	Strand	-
Start	6344	End	8427
Name	OJ990823_08.9B10.C10.o1.ts	Method	TBLASTX:Soybean
Start	7743	End	8397
GI	none	Score	175
Exons	7743..7970, 7744..7962, 7968..8030, 7969..8016, 8037..8090, 8115..8396, 8134..8271, 8329..8397		

Seq. No.	1861	Seq. ID	OJ990823_08.9B10.C10
Gene No.	3855	Strand	-
Start	6344	End	8427
Name	OJ990823_08.9B10.C10.o1.tw	Method	TBLASTX:Wheat
Start	7749	End	7985
GI	none	Score	161
Exons	7749..7778, 7782..7985, 7783..7962		

Seq. No.	1861	Seq. ID	OJ990823_08.9B10.C10
Gene No.	3855	Strand	-
Start	6344	End	8427
Name	OJ990823_08.9B10.C10.o4.tm	Method	TBLASTX:Maize
Start	7749	End	7950
GI	none	Score	149
Exons	7749..7778, 7776..7949, 7777..7950		

Seq. No.	1861	Seq. ID	OJ990823_08.9B10.C10
Gene No.	3855	Strand	-
Start	6344	End	8427
Name	OJ990823_08.9B10.C10.o2.tw	Method	TBLASTX:Wheat
Start	7989	End	8375
GI	none	Score	74
Exons	7989..8090, 8115..8177, 8158..8256, 8181..8270, 8328..8375		

Seq. No.	1861	Seq. ID	OJ990823_08.9B10.C10
Gene No.	3855	Strand	-
Start	6344	End	8427
Name	OJ990823_08.9B10.C10.o3.tm	Method	TBLASTX:Maize
Start	8034	End	8348
GI	none	Score	124
Exons	8034..8093, 8115..8210, 8134..8226, 8215..8286, 8220..8348		

Seq. No.	1861	Seq. ID	OJ990823_08.9B10.C10
Gene No.	3855	Strand	-
Start	6344	End	8427
Name	OJ990823_08.9B10.C10.o1.gp	Method	AAT/GAP
Start	8058	End	8427

GI uC-osroM202006f02b1 Score 684
 Exons 8058..8427
 GI Descrip. '4467153/emb|CAB37522| 2.0e-34 (AL035540) putative
 thaumatin-like protein [Arabidopsis thaliana]'

Seq. No. 1862 Seq. ID OJ990823_08.9B10.C11
 Gene No. 3856 Strand -
 Start 4399 End 6135
 Name OJ990823_08.9B10.C11.o2.gs Method GENSCAN
 Start 4399 End 6135
 GI none Score .87
 Exons 4399..4639, 5292..5988, 6081..6135

Seq. No. 1862 Seq. ID OJ990823_08.9B10.C11
 Gene No. 3856 Strand -
 Start 4399 End 6135
 Name OJ990823_08.9B10.C11.o1.np Method AAT/NAP
 Start 5149 End 6048
 GI 3036805 Score 854
 Exons 5149..6048
 GI Descrip. (AL022373) thaumatin-like protein [Arabidopsis thaliana]

Seq. No. 1862 Seq. ID OJ990823_08.9B10.C11
 Gene No. 3856 Strand -
 Start 4399 End 6135
 Name OJ990823_08.9B10.C11.o1.tw Method TBLASTX:Wheat
 Start 5330 End 5522
 GI none Score 205
 Exons 5330..5521, 5331..5522

Seq. No. 1862 Seq. ID OJ990823_08.9B10.C11
 Gene No. 3856 Strand -
 Start 4399 End 6135
 Name OJ990823_08.9B10.C11.o1.tm Method TBLASTX:Maize
 Start 5333 End 5510
 GI none Score 173
 Exons 5333..5509, 5334..5510

Seq. No. 1862 Seq. ID OJ990823_08.9B10.C11
 Gene No. 3856 Strand -
 Start 4399 End 6135
 Name OJ990823_08.9B10.C11.o1.tc Method TBLASTX:Cress
 Start 5336 End 5990
 GI none Score 159
 Exons 5336..5524, 5340..5528, 5522..5575, 5609..5695, 5613..5684,
 5789..5989, 5790..5990

Seq. No. 1862 Seq. ID OJ990823_08.9B10.C11
 Gene No. 3856 Strand -
 Start 4399 End 6135
 Name OJ990823_08.9B10.C11.o1.ts Method TBLASTX:Soybean
 Start 5336 End 5990
 GI none Score 160
 Exons 5336..5512, 5337..5510, 5519..5569, 5520..5570, 5609..5695,
 5613..5684, 5798..5989, 5811..5990

Seq. No. 1862 Seq. ID OJ990823_08.9B10.C11

Gene No.	3856	Strand	-
Start	4399	End	6135
Name	OJ990823_08.9B10.C11.o2.tm	Method	TBLASTX:Maize
Start	5798	End	5987
GI	none	Score	183
Exons	5798..5986, 5799..5987		
Seq. No.	1863	Seq. ID	OJ990823_08.9B10.C13
Gene No.	3857	Strand	-
Start	682	End	2103
Name	OJ990823_08.9B10.C13.o1.tm	Method	TBLASTX:Maize
Start	407	End	1105
GI	none	Score	68
Exons	407..472, 416..472, 420..473, 492..626, 507..620, 508..642, 666..929, 670..1104, 670..1104, 671..1105		
Seq. No.	1863	Seq. ID	OJ990823_08.9B10.C13
Gene No.	3857	Strand	-
Start	682	End	2103
Name	OJ990823_08.9B10.C13.o1.gs	Method	GENSCAN
Start	682	End	2020
GI	none	Score	.86
Exons	682..2020		
Seq. No.	1863	Seq. ID	OJ990823_08.9B10.C13
Gene No.	3857	Strand	-
Start	682	End	2103
Name	OJ990823_08.9B10.C13.o1.np	Method	AAT/NAP
Start	685	End	2103
GI	5123711	Score	1417
Exons	685..2103		
GI Descrip.	(AL079347) putative protein [Arabidopsis thaliana]		
Seq. No.	1863	Seq. ID	OJ990823_08.9B10.C13
Gene No.	3857	Strand	-
Start	682	End	2103
Name	OJ990823_08.9B10.C13.o1.ts	Method	TBLASTX:Soybean
Start	686	End	1140
GI	none	Score	296
Exons	686..1138, 688..1140		
Seq. No.	1863	Seq. ID	OJ990823_08.9B10.C13
Gene No.	3857	Strand	-
Start	682	End	2103
Name	OJ990823_08.9B10.C13.o1.tc	Method	TBLASTX:Cress
Start	784	End	2097
GI	none	Score	193
Exons	784..1482, 1058..1474, 1756..2034, 2008..2097		
Seq. No.	1863	Seq. ID	OJ990823_08.9B10.C13
Gene No.	3857	Strand	-
Start	682	End	2103
Name	OJ990823_08.9B10.C13.o3.tm	Method	TBLASTX:Maize
Start	1138	End	1429
GI	none	Score	150
Exons	1138..1299, 1142..1297, 1218..1301, 1285..1428, 1298..1363, 1352..1429		

Seq. No.	1863	Seq. ID	OJ990823_08.9B10.C13
Gene No.	3857	Strand	-
Start	682	End	2103
Name	OJ990823_08.9B10.C13.o1.tw	Method	TBLASTX:Wheat
Start	1258	End	1589
GI	none	Score	306
Exons	1258..1494, 1259..1504, 1259..1504, 1260..1511, 1545..1583, 1547..1588, 1548..1589		

Seq. No.	1863	Seq. ID	OJ990823_08.9B10.C13
Gene No.	3857	Strand	-
Start	682	End	2103
Name	OJ990823_08.9B10.C13.o2.ts	Method	TBLASTX:Soybean
Start	1306	End	1942
GI	none	Score	131
Exons	1306..1494, 1307..1477, 1669..1941, 1733..1942		

Seq. No.	1863	Seq. ID	OJ990823_08.9B10.C13
Gene No.	3857	Strand	-
Start	682	End	2103
Name	OJ990823_08.9B10.C13.o2.tm	Method	TBLASTX:Maize
Start	1640	End	2061
GI	none	Score	88
Exons	1640..1720, 1642..1722, 1720..2019, 1721..1987, 2011..2061		

Seq. No.	1863	Seq. ID	OJ990823_08.9B10.C13
Gene No.	3857	Strand	-
Start	682	End	2103
Name	OJ990823_08.9B10.C13.o3.ts	Method	TBLASTX:Soybean
Start	1948	End	2103
GI	none	Score	195
Exons	1948..2103		

Seq. No.	1864	Seq. ID	OJ990823_08.9B10.C14
Gene No.	3858	Strand	+
Start	13736	End	19097
Name	OJ990823_08.9B10.C14.o2.np	Method	AAT/NAP
Start	13736	End	19097
GI	3036809	Score	886
Exons	13736..13843, 14259..14367, 14539..14775, 14903..14988, 15201..15316, 16264..16464, 16541..16695, 16911..17616, 19077..19097		

GI Descrip. (AL022373) putative protein [Arabidopsis thaliana]

Seq. No.	1864	Seq. ID	OJ990823_08.9B10.C14
Gene No.	3859	Strand	+
Start	19783	End	20796
Name	OJ990823_08.9B10.C14.o3.gs	Method	GENSCAN
Start	19783	End	20796
GI	none	Score	.99
Exons	19783..20796		

Seq. No.	1864	Seq. ID	OJ990823_08.9B10.C14
Gene No.	3859	Strand	+
Start	19783	End	20796
Name	OJ990823_08.9B10.C14.o1.gp	Method	AAT/GAP

Start	19796	End	20210
GI	21448_1.R1084	Score	783
Exons	19796..20210		
GI Descrip.	'4467156/emb CAB37525 1.0e-40 (AL035540) putative protein [Arabidopsis thaliana]'		

Seq. No.	1864	Seq. ID	OJ990823_08.9B10.C14
Gene No.	3859	Strand	+
Start	19783	End	20796
Name	OJ990823_08.9B10.C14.o3.np	Method	AAT/NAP
Start	19840	End	20793
GI	4467156	Score	1223
Exons	19840..20793		
GI Descrip.	(AL035540) putative protein [Arabidopsis thaliana]		

Seq. No.	1864	Seq. ID	OJ990823_08.9B10.C14
Gene No.	3860	Strand	-
Start	3287	End	17164
Name	OJ990823_08.9B10.C14.o1.np	Method	AAT/NAP
Start	3287	End	17164
GI	6069646	Score	913
Exons	3287..4261, 4544..5342, 17143..17164		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	1864	Seq. ID	OJ990823_08.9B10.C14
Gene No.	3860	Strand	-
Start	3287	End	17164
Name	OJ990823_08.9B10.C14.o4.tm	Method	TBLASTX:Maize
Start	3305	End	3754
GI	none	Score	66
Exons	3305..3502, 3506..3754, 3660..3752		

Seq. No.	1864	Seq. ID	OJ990823_08.9B10.C14
Gene No.	3860	Strand	-
Start	3287	End	17164
Name	OJ990823_08.9B10.C14.o3.tm	Method	TBLASTX:Maize
Start	4166	End	4561
GI	none	Score	85
Exons	4166..4561, 4194..4406		

Seq. No.	1864	Seq. ID	OJ990823_08.9B10.C14
Gene No.	3860	Strand	-
Start	3287	End	17164
Name	OJ990823_08.9B10.C14.o3.ts	Method	TBLASTX:Soybean
Start	4196	End	4669
GI	none	Score	64
Exons	4196..4279, 4377..4586, 4379..4669		

Seq. No.	1864	Seq. ID	OJ990823_08.9B10.C14
Gene No.	3860	Strand	-
Start	3287	End	17164
Name	OJ990823_08.9B10.C14.o5.tm	Method	TBLASTX:Maize
Start	4562	End	4929

GI none
Exons 4562..4669, 4615..4929

Score 189

Seq. No. 1864
Gene No. 3860
Start 3287
Name OJ990823_08.9B10.C14.o2.tw
Start 4807
GI none
Exons 4807..5085, 4856..5083

Seq. ID OJ990823_08.9B10.C14
Strand -
End 17164
Method TBLASTX:Wheat
End 5085
Score 97

Seq. No. 1864
Gene No. 3860
Start 3287
Name OJ990823_08.9B10.C14.o2.tm
Start 4939
GI none
Exons 4939..5355, 4940..5341

Seq. ID OJ990823_08.9B10.C14
Strand -
End 17164
Method TBLASTX:Maize
End 5355
Score 189

Seq. No. 1864
Gene No. 3861
Start 19809
Name OJ990823_08.9B10.C14.o1.tw
Start 19809
GI none
Exons 19809..19883, 19825..20256, 19827..20255

Seq. ID OJ990823_08.9B10.C14
Strand -
End 20814
Method TBLASTX:Wheat
End 20256
Score 92

Seq. No. 1864
Gene No. 3861
Start 19809
Name OJ990823_08.9B10.C14.o1.tm
Start 19812
GI none
Exons 19812..19883, 19825..20814, 19827..20795

Seq. ID OJ990823_08.9B10.C14
Strand -
End 20814
Method TBLASTX:Maize
End 20814
Score 87

Seq. No. 1864
Gene No. 3861
Start 19809
Name OJ990823_08.9B10.C14.o1.tc
Start 19836
GI none
Exons 19836..20129, 19840..20580, 20011..20187, 20223..20579

Seq. ID OJ990823_08.9B10.C14
Strand -
End 20814
Method TBLASTX:Cress
End 20580
Score 800

Seq. No. 1864
Gene No. 3861
Start 19809
Name OJ990823_08.9B10.C14.o1.ts
Start 19855
GI none
Exons 19855..19908, 19858..20394, 19926..20129, 20002..20193, 20190..20393, 20398..20520, 20400..20519

Seq. ID OJ990823_08.9B10.C14
Strand -
End 20814
Method TBLASTX:Soybean
End 20520
Score 607

Seq. No. 1864
Gene No. 3861
Start 19809
Name OJ990823_08.9B10.C14.o2.ts
Start 20524

Seq. ID OJ990823_08.9B10.C14
Strand -
End 20814
Method TBLASTX:Soybean
End 20796

GI none
Exons 20524..20796, 20541..20792

Score 371

Seq. No. 1864
Gene No. 3861
Start 19809
Name OJ990823_08.9B10.C14.o2.tc
Start 20580
GI none
Exons 20580..20792, 20581..20796

Seq. ID OJ990823_08.9B10.C14
Strand
End 20814
Method TBLASTX:Cress
End 20796
Score 249

Seq. No. 1865
Gene No. 3862
Start 695
Name OJ990823_08.9B10.C15.o2.gs
Start 695
GI none
Exons 695..839, 2264..2352

Seq. ID OJ990823_08.9B10.C15
Strand +
End 2352
Method GENSCAN
End 2352
Score .89

Seq. No. 1865
Gene No. 3863
Start 2710
Name OJ990823_08.9B10.C15.o1.gp
Start 2685
GI 286535
Exons 2685..3023

Seq. ID OJ990823_08.9B10.C15
Strand +
End 3363
Method AAT/GAP
End 3023
Score 633

Seq. No. 1865
Gene No. 3863
Start 2710
Name OJ990823_08.9B10.C15.o3.gs
Start 2710
GI none
Exons 2710..3363

Seq. ID OJ990823_08.9B10.C15
Strand +
End 3363
Method GENSCAN
End 3363
Score .98

Seq. No. 1865
Gene No. 3864
Start 6184
Name OJ990823_08.9B10.C15.o2.gp
Start 6184
GI 4714101
Exons 6184..6387

Seq. ID OJ990823_08.9B10.C15
Strand +
End 6387
Method AAT/GAP
End 6387
Score 387

Seq. No. 1865
Gene No. 3865
Start 35
Name OJ990823_08.9B10.C15.o1.gs
Start 35
GI none
Exons 35..122, 164..284, 398..527

Seq. ID OJ990823_08.9B10.C15
Strand -
End 527
Method GENSCAN
End 527
Score .88

Seq. No. 1865
Gene No. 3866
Start 4248
Name OJ990823_08.9B10.C15.o4.gs
Start 4248
GI none

Seq. ID OJ990823_08.9B10.C15
Strand -
End 5537
Method GENSCAN
End 5537
Score .97

Exons 4248..5537

Seq. No.	1865	Seq. ID	OJ990823_08.9B10.C15
Gene No.	3867	Strand	-
Start	6407	End	9303
Name	OJ990823_08.9B10.C15.o1.np	Method	AAT/NAP
Start	6367	End	9303
GI	4803928	Score	1018
Exons	6367..6465, 6506..6613, 6694..6759, 6989..7042, 7140..7288, 7338..7424, 7526..7617, 7716..7788, 8140..8257, 8344..8408, 8490..8555, 9139..9303		
GI Descrip.	(AC006264) putative XAP-5 protein [Homo sapiens] [Arabidopsis thaliana]		

Seq. No.	1865	Seq. ID	OJ990823_08.9B10.C15
Gene No.	3867	Strand	-
Start	6407	End	9303
Name	OJ990823_08.9B10.C15.o5.gs	Method	GENSCAN
Start	6407	End	9303
GI	none	Score	.91
Exons	6407..6457, 6694..6759, 6989..7042, 7140..7271, 7363..7424, 8145..8257, 8344..8408, 8490..8591, 9139..9303		

Seq. No.	1865	Seq. ID	OJ990823_08.9B10.C15
Gene No.	3868	Strand	-
Start	10888	End	13303
Name	OJ990823_08.9B10.C15.o1.tm	Method	TBLASTX:Maize
Start	5158	End	5469
GI	none	Score	158
Exons	5158..5256, 5160..5255, 5283..5345, 5284..5349, 5308..5409, 5322..5405, 5412..5468, 5416..5469		

Seq. No.	1865	Seq. ID	OJ990823_08.9B10.C15
Gene No.	3868	Strand	-
Start	10888	End	13303
Name	OJ990823_08.9B10.C15.o3.tm	Method	TBLASTX:Maize
Start	6387	End	7042
GI	none	Score	76
Exons	6387..6458, 6407..6460, 6409..6459, 6536..6601, 6536..6613, 6540..6620, 6694..6759, 6694..6759, 6698..6766, 6980..7042, 6987..7040, 6992..7042		

Seq. No.	1865	Seq. ID	OJ990823_08.9B10.C15
Gene No.	3868	Strand	-
Start	10888	End	13303
Name	OJ990823_08.9B10.C15.o1.ts	Method	TBLASTX:Soybean
Start	6407	End	7763
GI	none	Score	68
Exons	6407..6460, 6411..6452, 6536..6613, 6540..6620, 6540..6614, 6694..6759, 6698..6766, 6699..6761, 6980..7042, 6987..7040, 7140..7289, 7141..7272, 7360..7449, 7361..7423, 7539..7580, 7702..7761, 7715..7762, 7716..7763		

Seq. No.	1865	Seq. ID	OJ990823_08.9B10.C15
Gene No.	3868	Strand	-
Start	10888	End	13303
Name	OJ990823_08.9B10.C15.o2.tm	Method	TBLASTX:Maize

Start	7203	End	8257
GI	none	Score	109
Exons	7203..7274, 7203..7289, 7204..7290, 7360..7431, 7361..7423, 7363..7425, 7524..7580, 7538..7567, 7540..7632, 7543..7632, 7715..7798, 7716..7778, 7718..7780, 7720..7845, 8143..8256, 8146..8208, 8189..8257		

Seq. No.	1865	Seq. ID	OJ990823_08.9B10.C15
Gene No.	3868	Strand	-
Start	10888	End	13303
Name	OJ990823_08.9B10.C15.o1.tw	Method	TBLASTX:Wheat
Start	7555	End	9177
GI	none	Score	72
Exons	7555..7611, 7715..7762, 7716..7760, 8143..8256, 8195..8257, 8338..8415, 8338..8409, 8385..8414, 8481..8558, 8491..8556, 8491..8562, 9101..9175, 9124..9177		

Seq. No.	1865	Seq. ID	OJ990823_08.9B10.C15
Gene No.	3868	Strand	-
Start	10888	End	13303
Name	OJ990823_08.9B10.C15.o2.ts	Method	TBLASTX:Soybean
Start	8155	End	9309
GI	none	Score	54
Exons	8155..8256, 8192..8257, 8344..8409, 8345..8410, 8481..8558, 8491..8556, 9101..9178, 9124..9240, 9175..9282, 9256..9309		

Seq. No.	1865	Seq. ID	OJ990823_08.9B10.C15
Gene No.	3868	Strand	-
Start	10888	End	13303
Name	OJ990823_08.9B10.C15.o2.np	Method	AAT/NAP
Start	10888	End	13303
GI	2950243	Score	270
Exons	10888..11025, 11440..11577, 11938..12333, 12448..12550, 13061..13303		
GI Descrip.	(Z98204) extensin [Hordeum vulgare]		

Seq. No.	1866	Seq. ID	OJ990823_08.9B10.C16
Gene No.	3869	Strand	-
Start	1	End	469
Name	OJ990823_08.9B10.C16.o1.gp	Method	AAT/GAP
Start	1	End	469
GI	LIB3432-059-P1-K1-D8	Score	721
Exons	1..469		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	1866	Seq. ID	OJ990823_08.9B10.C16
Gene No.	3870	Strand	-
Start	472	End	569
Name	OJ990823_08.9B10.C16.o2.gp	Method	AAT/GAP
Start	472	End	569
GI	LIB3477-003-P1-K1-E9	Score	129
Exons	472..569		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No. 1867
 Gene No. 3871
 Start 572
 Name OJ990823_08.9B10.C17.o1.gs
 Start 572
 GI none
 Exons 572..649, 1139..1207

Seq. ID OJ990823_08.9B10.C17
 Strand -
 End 1207
 Method GENSCAN
 End 1207
 Score .56

Seq. No. 1868
 Gene No. 3872
 Start 1
 Name OJ990823_08.9B10.C18.o1.np
 Start 1
 GI 4416302
 Exons 1..1173
 GI Descrip. (AF105716) copia-type pol polyprotein [Zea mays]

Seq. ID OJ990823_08.9B10.C18
 Strand +
 End 1182
 Method AAT/NAP
 End 1173
 Score 1244

Seq. No. 1868
 Gene No. 3872
 Start 1
 Name OJ990823_08.9B10.C18.o2.ts
 Start 1
 GI 5509260
 Exons 1..138, 3..143
 GI Descrip. -

Seq. ID OJ990823_08.9B10.C18
 Strand +
 End 1182
 Method TBLASTX:Soybean
 End 143
 Score 207

Seq. No. 1868
 Gene No. 3872
 Start 1
 Name OJ990823_08.9B10.C18.o3.tw
 Start 1
 GI none
 Exons 1..129, 2..130, 3..119

Seq. ID OJ990823_08.9B10.C18
 Strand +
 End 1182
 Method TBLASTX:Wheat
 End 130
 Score 172

Seq. No. 1868
 Gene No. 3872
 Start 1
 Name OJ990823_08.9B10.C18.o2.tm
 Start 3
 GI none
 Exons 3..179, 4..381, 7..378

Seq. ID OJ990823_08.9B10.C18
 Strand +
 End 1182
 Method TBLASTX:Maize
 End 381
 Score 399

Seq. No. 1868
 Gene No. 3872
 Start 1
 Name OJ990823_08.9B10.C18.o1.gs
 Start 154
 GI none
 Exons 154..1080

Seq. ID OJ990823_08.9B10.C18
 Strand +
 End 1182
 Method GENSCAN
 End 1080
 Score .72

Seq. No. 1868
 Gene No. 3872
 Start 1
 Name OJ990823_08.9B10.C18.o1.tw
 Start 319
 GI none
 Exons 319..468, 493..750

Seq. ID OJ990823_08.9B10.C18
 Strand +
 End 1182
 Method TBLASTX:Wheat
 End 750
 Score 91

Seq. No.	1868	Seq. ID	OJ990823_08.9B10.C18
Gene No.	3872	Strand	+
Start	1	End	1182
Name	OJ990823_08.9B10.C18.o1.tm	Method	TBLASTX:Maize
Start	496	End	1152
GI	none	Score	748
Exons	496..1152, 504..1151		

Seq. No.	1868	Seq. ID	OJ990823_08.9B10.C18
Gene No.	3872	Strand	+
Start	1	End	1182
Name	OJ990823_08.9B10.C18.o1.ts	Method	TBLASTX:Soybean
Start	514	End	1182
GI	none	Score	299
Exons	514..903, 618..860, 922..1182, 936..1106		

Seq. No.	1868	Seq. ID	OJ990823_08.9B10.C18
Gene No.	3872	Strand	+
Start	1	End	1182
Name	OJ990823_08.9B10.C18.o1.tc	Method	TBLASTX:Cress
Start	787	End	1152
GI	none	Score	90
Exons	787..918, 907..1152		

Seq. No.	1868	Seq. ID	OJ990823_08.9B10.C18
Gene No.	3872	Strand	+
Start	1	End	1182
Name	OJ990823_08.9B10.C18.o2.tw	Method	TBLASTX:Wheat
Start	787	End	1107
GI	none	Score	97
Exons	787..912, 931..1107, 934..1107		

Seq. No.	1869	Seq. ID	OJ990823_08.9B10.C19
Gene No.	3873	Strand	+
Start	700	End	2973
Name	OJ990823_08.9B10.C19.o1.gs	Method	GENSCAN
Start	700	End	1814
GI	none	Score	.66
Exons	700..757, 786..898, 1429..1629, 1635..1814		

Seq. No.	1869	Seq. ID	OJ990823_08.9B10.C19
Gene No.	3873	Strand	+
Start	700	End	2973
Name	OJ990823_08.9B10.C19.o1.np	Method	AAT/NAP
Start	1407	End	2973
GI	6539588	Score	173
Exons	1407..1708, 2901..2973		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	1869	Seq. ID	OJ990823_08.9B10.C19
Gene No.	3874	Strand	+
Start	5122	End	7593
Name	OJ990823_08.9B10.C19.o3.gs	Method	GENSCAN
Start	5122	End	7593
GI	none	Score	.76
Exons	5122..5282, 5533..5723, 6105..6228, 6751..6877, 7411..7593		

Seq. No.	1869	Seq. ID	OJ990823_08.9B10.C19
Gene No.	3875	Strand	+
Start	9289	End	10351
Name	OJ990823_08.9B10.C19.o4.gs	Method	GENSCAN
Start	9289	End	10351
GI	none	Score	.51
Exons	9289..9340, 9484..9777, 9843..9950, 10275..10351		

Seq. No.	1869	Seq. ID	OJ990823_08.9B10.C19
Gene No.	3876	Strand	+
Start	11028	End	12787
Name	OJ990823_08.9B10.C19.o5.gs	Method	GENSCAN
Start	11028	End	12787
GI	none	Score	.86
Exons	11028..11793, 11817..12787		

Seq. No.	1869	Seq. ID	OJ990823_08.9B10.C19
Gene No.	3876	Strand	+
Start	11028	End	12787
Name	OJ990823_08.9B10.C19.o2.gp	Method	AAT/GAP
Start	11531	End	12106
GI	none	Score	1033
Exons	11531..12106		

Seq. No.	1869	Seq. ID	OJ990823_08.9B10.C19
Gene No.	3877	Strand	-
Start	2733	End	3488
Name	OJ990823_08.9B10.C19.o2.gs	Method	GENSCAN
Start	2733	End	3488
GI	none	Score	.43
Exons	2733..2879, 3182..3322, 3348..3488		

Seq. No.	1869	Seq. ID	OJ990823_08.9B10.C19
Gene No.	3878	Strand	-
Start	10050	End	10370
Name	OJ990823_08.9B10.C19.o1.gp	Method	AAT/GAP
Start	10050	End	10370
GI	3763118	Score	605
Exons	10050..10370		

Seq. No.	1869	Seq. ID	OJ990823_08.9B10.C19
Gene No.	3879	Strand	-
Start	12712	End	13086
Name	OJ990823_08.9B10.C19.o3.gp	Method	AAT/GAP
Start	12712	End	13086
GI	none	Score	735
Exons	12712..13086		

Seq. No.	1870	Seq. ID	OJ990823_08.9B10.C20
Gene No.	3880	Strand	+
Start	1	End	247
Name	OJ990823_08.9B10.C20.o1.gp	Method	AAT/GAP
Start	1	End	247
GI	none	Score	465
Exons	1..247		

Seq. No.	1870	Seq. ID	OJ990823_08.9B10.C20
Gene No.	3881	Strand	-
Start	6	End	63
Name	OJ990823_08.9B10.C20.o1.gs	Method	GENSCAN
Start	6	End	63
GI	none	Score	.71
Exons	6..63		

Seq. No.	1871	Seq. ID	OJ990923_03.9B10.C3
Gene No.	3882	Strand	+
Start	2325	End	6904
Name	OJ990923_03.9B10.C3.o1.np	Method	AAT/NAP
Start	2325	End	6904
GI	4680203	Score	1976
Exons	2325..2362, 3642..5303, 5463..5692, 5969..6904		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	1871	Seq. ID	OJ990923_03.9B10.C3
Gene No.	3882	Strand	+
Start	2325	End	6904
Name	OJ990923_03.9B10.C3.o2.tw	Method	TBLASTX:Wheat
Start	4000	End	4680
GI	none	Score	244
Exons	4000..4416, 4089..4289, 4425..4535, 4429..4548, 4555..4680		

Seq. No.	1871	Seq. ID	OJ990923_03.9B10.C3
Gene No.	3882	Strand	+
Start	2325	End	6904
Name	OJ990923_03.9B10.C3.o1.ts	Method	TBLASTX:Soybean
Start	4072	End	4409
GI	none	Score	47
Exons	4072..4119, 4077..4127, 4085..4399, 4125..4403, 4125..4409, 4126..4407		

Seq. No.	1871	Seq. ID	OJ990923_03.9B10.C3
Gene No.	3882	Strand	+
Start	2325	End	6904
Name	OJ990923_03.9B10.C3.o2.ts	Method	TBLASTX:Soybean
Start	4428	End	4695
GI	none	Score	232
Exons	4428..4694, 4432..4695		

Seq. No.	1871	Seq. ID	OJ990923_03.9B10.C3
Gene No.	3882	Strand	+
Start	2325	End	6904
Name	OJ990923_03.9B10.C3.o1.tc	Method	TBLASTX:Cress
Start	4429	End	4776
GI	none	Score	319
Exons	4429..4776, 4434..4583, 4623..4775		

Seq. No.	1871	Seq. ID	OJ990923_03.9B10.C3
Gene No.	3882	Strand	+
Start	2325	End	6904
Name	OJ990923_03.9B10.C3.o1.tm	Method	TBLASTX:Maize
Start	4620	End	5064
GI	none	Score	215
Exons	4620..4847, 4621..4863, 4872..5048, 4873..5064		

Seq. No.	1871	Seq. ID	OJ990923_03.9B10.C3
Gene No.	3882	Strand	+
Start	2325	End	6904
Name	OJ990923_03.9B10.C3.o3.tw	Method	TBLASTX:Wheat
Start	4729	End	5012
GI	none	Score	133
Exons	4729..4824, 4731..4826, 4873..5007, 4923..5012		

Seq. No.	1871	Seq. ID	OJ990923_03.9B10.C3
Gene No.	3882	Strand	+
Start	2325	End	6904
Name	OJ990923_03.9B10.C3.o4.ts	Method	TBLASTX:Soybean
Start	4899	End	5133
GI	none	Score	219
Exons	4899..5060, 4900..5133, 4924..5124		

Seq. No.	1871	Seq. ID	OJ990923_03.9B10.C3
Gene No.	3882	Strand	+
Start	2325	End	6904
Name	OJ990923_03.9B10.C3.o3.tm	Method	TBLASTX:Maize
Start	5245	End	5440
GI	none	Score	222
Exons	5245..5439, 5246..5440		

Seq. No.	1871	Seq. ID	OJ990923_03.9B10.C3
Gene No.	3882	Strand	+
Start	2325	End	6904
Name	OJ990923_03.9B10.C3.o5.ts	Method	TBLASTX:Soybean
Start	5537	End	5920
GI	none	Score	85
Exons	5537..5665, 5675..5920, 5794..5919		

Seq. No.	1871	Seq. ID	OJ990923_03.9B10.C3
Gene No.	3882	Strand	+
Start	2325	End	6904
Name	OJ990923_03.9B10.C3.o1.tw	Method	TBLASTX:Wheat
Start	5576	End	6826
GI	none	Score	518
Exons	5576..6118, 5620..6120, 6125..6325, 6178..6315, 6323..6463, 6337..6462, 6479..6529, 6486..6530, 6530..6574, 6601..6705, 6602..6706, 6707..6826		

Seq. No.	1871	Seq. ID	OJ990923_03.9B10.C3
Gene No.	3882	Strand	+
Start	2325	End	6904
Name	OJ990923_03.9B10.C3.o2.tm	Method	TBLASTX:Maize
Start	5617	End	5932
GI	none	Score	306
Exons	5617..5913, 5618..5932, 5705..5914		

Seq. No.	1871	Seq. ID	OJ990923_03.9B10.C3
Gene No.	3882	Strand	+
Start	2325	End	6904
Name	OJ990923_03.9B10.C3.o2.tc	Method	TBLASTX:Cress
Start	5863	End	6289
GI	none	Score	226

Exons 5863..6120, 5867..6118, 6125..6289, 6178..6285

Seq. No.	1871	Seq. ID	OJ990923_03.9B10.C3
Gene No.	3882	Strand	+
Start	2325	End	6904
Name	OJ990923_03.9B10.C3.o3.ts	Method	TBLASTX:Soybean
Start	6515	End	6763
GI	none	Score	229
Exons	6515..6763, 6517..6699		

Seq. No.	1872	Seq. ID	OJ990923_03.9B10.C4
Gene No.	3883	Strand	+
Start	890	End	3086
Name	OJ990923_03.9B10.C4.o1.gs	Method	GENSCAN
Start	890	End	3086
GI	none	Score	.7
Exons	890..1409, 2197..2690, 2769..3086		

Seq. No.	1872	Seq. ID	OJ990923_03.9B10.C4
Gene No.	3884	Strand	+
Start	3336	End	5010
Name	OJ990923_03.9B10.C4.o2.gs	Method	GENSCAN
Start	3336	End	5010
GI	none	Score	.66
Exons	3336..3681, 3855..4188, 4520..4808, 4894..5010		

Seq. No.	1872	Seq. ID	OJ990923_03.9B10.C4
Gene No.	3885	Strand	+
Start	10740	End	11369
Name	OJ990923_03.9B10.C4.o3.gs	Method	GENSCAN
Start	10740	End	11369
GI	none	Score	.44
Exons	10740..10781, 10892..10922, 11268..11369		

Seq. No.	1873	Seq. ID	OJ990923_03.9B10.C5
Gene No.	3886	Strand	+
Start	707	End	3983
Name	OJ990923_03.9B10.C5.o1.gs	Method	GENSCAN
Start	707	End	3983
GI	none	Score	.85
Exons	707..823, 920..1415, 1503..2392, 2471..2905, 2981..3040, 3138..3221, 3300..3983		

Seq. No.	1873	Seq. ID	OJ990923_03.9B10.C5
Gene No.	3887	Strand	+
Start	17083	End	22841
Name	OJ990923_03.9B10.C5.o3.gs	Method	GENSCAN
Start	17083	End	17661
GI	none	Score	.81
Exons	17083..17661		

Seq. No.	1873	Seq. ID	OJ990923_03.9B10.C5
Gene No.	3887	Strand	+
Start	17083	End	22841
Name	OJ990923_03.9B10.C5.o4.np	Method	AAT/NAP
Start	17131	End	22838
GI	130940	Score	264

Exons 17131..17485, 22690..22838
 GI Descrip. PATHOGENESIS-RELATED PROTEIN PRMS PRECURSOR
 gi|100906|pir||S14969 pathogenesis-related protein - maize
 gi|22454|emb|CAA38223| (X54325) pathogenesis-related protein
 [Zea mays]

Seq. No.	1873	Seq. ID	OJ990923_03.9B10.C5
Gene No.	3887	Strand	+
Start	17083	End	22841
Name	OJ990923_03.9B10.C5.o4.gs	Method	GENSCAN
Start	19342	End	19914
GI	none	Score	1
Exons	19342..19914		

Seq. No.	1873	Seq. ID	OJ990923_03.9B10.C5
Gene No.	3887	Strand	+
Start	17083	End	22841
Name	OJ990923_03.9B10.C5.o6.gs	Method	GENSCAN
Start	22275	End	22841
GI	none	Score	1
Exons	22275..22841		

Seq. No.	1873	Seq. ID	OJ990923_03.9B10.C5
Gene No.	3888	Strand	-
Start	4417	End	22853
Name	OJ990923_03.9B10.C5.o3.ts	Method	TBLASTX:Soybean
Start	4348	End	4593
GI	none	Score	115
Exons	4348..4593, 4454..4591		

Seq. No.	1873	Seq. ID	OJ990923_03.9B10.C5
Gene No.	3888	Strand	-
Start	4417	End	22853
Name	OJ990923_03.9B10.C5.o1.np	Method	AAT/NAP
Start	4354	End	10638
GI	4544372	Score	1200
Exons	4354..5925, 6030..6437, 6497..7688, 10449..10638		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	1873	Seq. ID	OJ990923_03.9B10.C5
Gene No.	3888	Strand	-
Start	4417	End	22853
Name	OJ990923_03.9B10.C5.o2.tw	Method	TBLASTX:Wheat
Start	4369	End	4776
GI	none	Score	227
Exons	4369..4776		

Seq. No.	1873	Seq. ID	OJ990923_03.9B10.C5
Gene No.	3888	Strand	-
Start	4417	End	22853
Name	OJ990923_03.9B10.C5.o2.gs	Method	GENSCAN
Start	4417	End	16553
GI	none	Score	.47
Exons	4417..5018, 5397..5536, 5585..5952, 6000..6252, 6873..7649, 7765..8260, 8890..9394, 9668..9894, 10326..10405, 10489..10674, 10900..10949, 11072..11244, 11330..11442, 15693..16139,		

16483..16553

Seq. No. 1873
Gene No. 3888
Start 4417
Name OJ990923_03.9B10.C5.o4.ts
Start 4936
GI none
Exons 4936..5334

Seq. ID OJ990923_03.9B10.C5
Strand -
End 22853
Method TBLASTX:Soybean
End 5334
Score 227

Seq. No. 1873
Gene No. 3888
Start 4417
Name OJ990923_03.9B10.C5.o4.tm
Start 5167
GI none
Exons 5167..5499

Seq. ID OJ990923_03.9B10.C5
Strand -
End 22853
Method TBLASTX:Maize
End 5499
Score 195

Seq. No. 1873
Gene No. 3888
Start 4417
Name OJ990923_03.9B10.C5.o2.ts
Start 5786
GI none
Exons 5786..5938, 5788..5940, 5887..5940, 5955..6038, 5958..6026, 6060..6116, 6060..6197, 6064..6195

Seq. ID OJ990923_03.9B10.C5
Strand -
End 22853
Method TBLASTX:Soybean
End 6197
Score 61

Seq. No. 1873
Gene No. 3888
Start 4417
Name OJ990923_03.9B10.C5.o1.ts
Start 6348
GI none
Exons 6348..6536, 6361..6492, 6540..6818, 6643..6780

Seq. ID OJ990923_03.9B10.C5
Strand -
End 22853
Method TBLASTX:Soybean
End 6818
Score 87

Seq. No. 1873
Gene No. 3888
Start 4417
Name OJ990923_03.9B10.C5.o1.tm
Start 6504
GI none
Exons 6504..6866, 6547..6816, 6576..6866, 6875..6964, 6900..6962

Seq. ID OJ990923_03.9B10.C5
Strand -
End 22853
Method TBLASTX:Maize
End 6964
Score 193

Seq. No. 1873
Gene No. 3888
Start 4417
Name OJ990923_03.9B10.C5.o4.tw
Start 6537
GI none
Exons 6537..6833, 6553..6816

Seq. ID OJ990923_03.9B10.C5
Strand -
End 22853
Method TBLASTX:Wheat
End 6833
Score 92

Seq. No. 1873
Gene No. 3888
Start 4417
Name OJ990923_03.9B10.C5.o1.tw
Start 6834
GI none

Seq. ID OJ990923_03.9B10.C5
Strand -
End 22853
Method TBLASTX:Wheat
End 7237
Score 241

Exons 6834..6866, 6863..7186, 6878..7174, 6900..7175, 7181..7237

Seq. No.	1873	Seq. ID	OJ990923_03.9B10.C5
Gene No.	3888	Strand	-
Start	4417	End	22853
Name	OJ990923_03.9B10.C5.o2.tm	Method	TBLASTX:Maize
Start	6965	End	7183
GI	none	Score	223
Exons	6965..7183, 6966..7175, 6983..7183		

Seq. No.	1873	Seq. ID	OJ990923_03.9B10.C5
Gene No.	3888	Strand	-
Start	4417	End	22853
Name	OJ990923_03.9B10.C5.o6.ts	Method	TBLASTX:Soybean
Start	7034	End	7399
GI	none	Score	114
Exons	7034..7168, 7181..7399		

Seq. No.	1873	Seq. ID	OJ990923_03.9B10.C5
Gene No.	3888	Strand	-
Start	4417	End	22853
Name	OJ990923_03.9B10.C5.o3.np	Method	AAT/NAP
Start	12978	End	21149
GI	1076211	Score	175
Exons	12978..13038, 15705..16158, 17198..17327, 21087..21149		
GI Descrip.	hypothetical protein VSP-3 - Chlamydomonas reinhardtii gi 530876 (L29029) amino acid feature: Rod protein domain, aa 266 .. 468; amino acid feature: globular protein domain, aa 32 .. 265 [Chlamydomonas reinhardtii]		

Seq. No.	1873	Seq. ID	OJ990923_03.9B10.C5
Gene No.	3888	Strand	-
Start	4417	End	22853
Name	OJ990923_03.9B10.C5.o3.tm	Method	TBLASTX:Maize
Start	17149	End	22838
GI	none	Score	104
Exons	17149..17337, 17241..17336, 17313..17444, 17371..17481, 17524..17631, 17535..17591, 19443..19499, 19462..19560, 19482..19550, 19615..19731, 19740..19808, 19741..19818, 19864..19902, 19878..19907, 22389..22493, 22688..22834, 22689..22838		

Seq. No.	1873	Seq. ID	OJ990923_03.9B10.C5
Gene No.	3888	Strand	-
Start	4417	End	22853
Name	OJ990923_03.9B10.C5.o1.tc	Method	TBLASTX:Cress
Start	17233	End	22841
GI	none	Score	112
Exons	17233..17343, 17449..17481, 17524..17661, 19462..19581, 19615..19650, 19753..19818, 22383..22520, 22701..22775, 22770..22841		

Seq. No.	1873	Seq. ID	OJ990923_03.9B10.C5
Gene No.	3888	Strand	-
Start	4417	End	22853
Name	OJ990923_03.9B10.C5.o3.tw	Method	TBLASTX:Wheat
Start	17239	End	22838

GI	none	Score	106
Exons	17239..17358, 17241..17342, 17371..17445, 17373..17444, 17524..17631, 17535..17591, 17608..17658, 19462..19581, 19482..19559, 19669..19737, 19723..19818, 19867..19902, 19945..20028, 22388..22492, 22389..22523, 22572..22685, 22598..22792, 22691..22834, 22692..22838		

Seq. No.	1873	Seq. ID	OJ990923_03.9B10.C5
Gene No.	3888	Strand	-
Start	4417	End	22853
Name	OJ990923_03.9B10.C5.o5.ts	Method	TBLASTX:Soybean
Start	17241	End	22853
GI	none	Score	109
Exons	17241..17342, 17242..17343, 17398..17445, 17524..17631, 17608..17664, 19462..19584, 19615..19734, 19717..19818, 19743..19808, 19822..19902, 19858..19944, 22389..22520, 22691..22834, 22692..22853		

Seq. No.	1873	Seq. ID	OJ990923_03.9B10.C5
Gene No.	3888	Strand	-
Start	4417	End	22853
Name	OJ990923_03.9B10.C5.o5.gs	Method	GENSCAN
Start	20465	End	21114
GI	none	Score	.51
Exons	20465..20476, 20664..20696, 20962..21114		

Seq. No.	1874	Seq. ID	OJ990923_03.9B10.C6
Gene No.	3889	Strand	+
Start	4263	End	15200
Name	OJ990923_03.9B10.C6.o2.gs	Method	GENSCAN
Start	4263	End	8859
GI	none	Score	.73
Exons	4263..4730, 6032..6564, 6653..6778, 7164..7263, 7752..7890, 8101..8201, 8311..8859		

Seq. No.	1874	Seq. ID	OJ990923_03.9B10.C6
Gene No.	3889	Strand	+
Start	4263	End	15200
Name	OJ990923_03.9B10.C6.o1.np	Method	AAT/NAP
Start	4299	End	8467
GI	3377817	Score	840
Exons	4299..4457, 4527..4734, 6036..6568, 6681..6778, 7164..7251, 7419..7483, 7574..7677, 7750..7805, 8385..8467		
GI Descrip.	(AF076275) contains similarity to C3HC4-type zinc fingers (Pfam: zf-C3HC4.hmm, score: 29.48) [Arabidopsis thaliana]		

Seq. No.	1874	Seq. ID	OJ990923_03.9B10.C6
Gene No.	3889	Strand	+
Start	4263	End	15200
Name	OJ990923_03.9B10.C6.o2.np	Method	AAT/NAP
Start	7954	End	15200
GI	5114353	Score	46
Exons	7954..8085, 15174..15200		
GI Descrip.	(AF156272) RING finger protein terf [Rattus norvegicus]		

Seq. No.	1874	Seq. ID	OJ990923_03.9B10.C6
Gene No.	3890	Strand	-

Start	11458	End	14216
Name	OJ990923_03.9B10.C6.o2.tc	Method	TBLASTX:Cress
Start	4291	End	4622
GI	none	Score	77
Exons	4291..4467, 4292..4459, 4305..4478, 4500..4622		

Seq. No.	1874	Seq. ID	OJ990923_03.9B10.C6
Gene No.	3890	Strand	-
Start	11458	End	14216
Name	OJ990923_03.9B10.C6.o2.tm	Method	TBLASTX:Maize
Start	4305	End	6058
GI	none	Score	46
Exons	4305..4331, 4336..4470, 4340..4480, 4341..4520, 4494..4610, 4641..4730, 6026..6058		

Seq. No.	1874	Seq. ID	OJ990923_03.9B10.C6
Gene No.	3890	Strand	-
Start	11458	End	14216
Name	OJ990923_03.9B10.C6.o1.tw	Method	TBLASTX:Wheat
Start	6024	End	8069
GI	none	Score	182
Exons	6024..6101, 6031..6192, 6032..6193, 8022..8069		

Seq. No.	1874	Seq. ID	OJ990923_03.9B10.C6
Gene No.	3890	Strand	-
Start	11458	End	14216
Name	OJ990923_03.9B10.C6.o1.tc	Method	TBLASTX:Cress
Start	7427	End	8177
GI	none	Score	106
Exons	7427..7486, 7428..7481, 7570..7680, 7575..7676, 7764..7832, 7765..7803, 7968..8060, 7986..8054, 8127..8177		

Seq. No.	1874	Seq. ID	OJ990923_03.9B10.C6
Gene No.	3890	Strand	-
Start	11458	End	14216
Name	OJ990923_03.9B10.C6.o1.tm	Method	TBLASTX:Maize
Start	7758	End	8367
GI	none	Score	128
Exons	7758..7895, 7758..7889, 7982..8197, 7986..8204, 8308..8367		

Seq. No.	1874	Seq. ID	OJ990923_03.9B10.C6
Gene No.	3890	Strand	-
Start	11458	End	14216
Name	OJ990923_03.9B10.C6.o3.gs	Method	GENSCAN
Start	11458	End	14216
GI	none	Score	.56
Exons	11458..11517, 12847..13391, 14021..14216		

Seq. No.	1874	Seq. ID	OJ990923_03.9B10.C6
Gene No.	3890	Strand	-
Start	11458	End	14216
Name	OJ990923_03.9B10.C6.o3.tm	Method	TBLASTX:Maize
Start	12081	End	12392
GI	none	Score	43
Exons	12081..12128, 12127..12345, 12348..12392		

Seq. No.	1875	Seq. ID	OJ990923_03.9B10.C7
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Gene No.	3891	Strand	+
Start	1	End	907
Name	OJ990923_03.9B10.C7.o1.gp	Method	AAT/GAP
Start	1	End	428
GI	10972_1.R1084	Score	844
Exons	1..428		
GI Descrip.	'4249382/gb AAD14479 4.0e-18 (AC005966) Strong similarity to gi_3337350 F13P17.3 putative permease from Arabidopsis thaliana BAC gb_AC004481. [Arabidopsis thaliana]'		

Seq. No.	1875	Seq. ID	OJ990923_03.9B10.C7
Gene No.	3891	Strand	+
Start	1	End	907
Name	OJ990923_03.9B10.C7.o1.np	Method	AAT/NAP
Start	1	End	907
GI	5852093	Score	86
Exons	1..37, 801..907		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	1875	Seq. ID	OJ990923_03.9B10.C7
Gene No.	3891	Strand	+
Start	1	End	907
Name	OJ990923_03.9B10.C7.o1.gs	Method	GENSCAN
Start	116	End	553
GI	none	Score	.53
Exons	116..239, 345..553		

Seq. No.	1875	Seq. ID	OJ990923_03.9B10.C7
Gene No.	3892	Strand	-
Start	1922	End	2562
Name	OJ990923_03.9B10.C7.o2.gs	Method	GENSCAN
Start	1922	End	2562
GI	none	Score	.74
Exons	1922..1979, 2054..2235, 2557..2562		

Seq. No.	1876	Seq. ID	OJ990923_03.9B10.C8
Gene No.	3893	Strand	+
Start	89	End	316
Name	OJ990923_03.9B10.C8.o1.gs	Method	GENSCAN
Start	89	End	316
GI	none	Score	.95
Exons	89..316		

Seq. No.	1876	Seq. ID	OJ990923_03.9B10.C8
Gene No.	3894	Strand	+
Start	9471	End	22543
Name	OJ990923_03.9B10.C8.o1.np	Method	AAT/NAP
Start	9471	End	22136
GI	2565009	Score	260
Exons	9471..9851, 15888..16033, 22088..22136		
GI Descrip.	(AC002983) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	1876	Seq. ID	OJ990923_03.9B10.C8
Gene No.	3894	Strand	+
Start	9471	End	22543
Name	OJ990923_03.9B10.C8.o4.gs	Method	GENSCAN
Start	13897	End	18938

GI	none	Score	.66
Exons	13897..13967, 14042..14135, 14297..14441, 14743..14948, 15299..15335, 17006..17199, 17238..17448, 18180..18273, 18746..18938		

Seq. No.	1876	Seq. ID	OJ990923_03.9B10.C8
Gene No.	3894	Strand	+
Start	9471	End	22543
Name	OJ990923_03.9B10.C8.o3.gp	Method	AAT/GAP
Start	14214	End	14893
GI	5607577	Score	1245
Exons	14214..14893		

Seq. No.	1876	Seq. ID	OJ990923_03.9B10.C8
Gene No.	3894	Strand	+
Start	9471	End	22543
Name	OJ990923_03.9B10.C8.o2.np	Method	AAT/NAP
Start	14569	End	17954
GI	3377817	Score	182
Exons	14569..14599, 15434..15811, 15889..16069, 17886..17954		
GI Descrip.	(AF076275) contains similarity to C3HC4-type zinc fingers (Pfam: zf-C3HC4.hmm, score: 29.48) [Arabidopsis thaliana]		

Seq. No.	1876	Seq. ID	OJ990923_03.9B10.C8
Gene No.	3894	Strand	+
Start	9471	End	22543
Name	OJ990923_03.9B10.C8.o3.np	Method	AAT/NAP
Start	18810	End	19223
GI	585963	Score	120
Exons	18810..18902, 19110..19223		
GI Descrip.	PROTEIN TRANSPORT PROTEIN SEC61 GAMMA SUBUNIT		

Seq. No.	1876	Seq. ID	OJ990923_03.9B10.C8
Gene No.	3894	Strand	+
Start	9471	End	22543
Name	OJ990923_03.9B10.C8.o5.gs	Method	GENSCAN
Start	20783	End	21113
GI	none	Score	.67
Exons	20783..20887, 21039..21113		

Seq. No.	1876	Seq. ID	OJ990923_03.9B10.C8
Gene No.	3894	Strand	+
Start	9471	End	22543
Name	OJ990923_03.9B10.C8.o6.gs	Method	GENSCAN
Start	21965	End	22543
GI	none	Score	.79
Exons	21965..22543		

Seq. No.	1876	Seq. ID	OJ990923_03.9B10.C8
Gene No.	3895	Strand	+
Start	25438	End	27021
Name	OJ990923_03.9B10.C8.o6.np	Method	AAT/NAP
Start	25438	End	27021
GI	4539296	Score	68
Exons	25438..25480, 26804..27021		
GI Descrip.	(AL049480) putative pathogenesis-related protein [Arabidopsis thaliana]		

Seq. No.	1876	Seq. ID	OJ990923_03.9B10.C8
Gene No.	3895	Strand	+
Start	25438	End	27021
Name	OJ990923_03.9B10.C8.o7.gs	Method	GENSCAN
Start	26455	End	27003
GI	none	Score	.76
Exons	26455..27003		
Seq. No.	1876	Seq. ID	OJ990923_03.9B10.C8
Gene No.	3896	Strand	-
Start	1461	End	2976
Name	OJ990923_03.9B10.C8.o2.gs	Method	GENSCAN
Start	1461	End	2976
GI	none	Score	.55
Exons	1461..1502, 1862..1963, 2107..2179, 2569..2712, 2876..2976		
Seq. No.	1876	Seq. ID	OJ990923_03.9B10.C8
Gene No.	3897	Strand	-
Start	4501	End	10788
Name	OJ990923_03.9B10.C8.o1.gp	Method	AAT/GAP
Start	4315	End	4576
GI	57406_1.R1084	Score	359
Exons	4315..4576		
GI Descrip.	'4680203/gb AAD27566.1 AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	1876	Seq. ID	OJ990923_03.9B10.C8
Gene No.	3897	Strand	-
Start	4501	End	10788
Name	OJ990923_03.9B10.C8.o3.gs	Method	GENSCAN
Start	4501	End	10788
GI	none	Score	.75
Exons	4501..4583, 7065..7175, 7253..7362, 7441..7577, 7985..8049, 10689..10788		
Seq. No.	1876	Seq. ID	OJ990923_03.9B10.C8
Gene No.	3897	Strand	-
Start	4501	End	10788
Name	OJ990923_03.9B10.C8.o2.gp	Method	AAT/GAP
Start	6638	End	7510
GI	57406_1.R1084	Score	456
Exons	6638..6679, 7065..7175, 7253..7362, 7440..7510		
GI Descrip.	'4680203/gb AAD27566.1 AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	1876	Seq. ID	OJ990923_03.9B10.C8
Gene No.	3898	Strand	-
Start	18637	End	20263
Name	OJ990923_03.9B10.C8.o4.np	Method	AAT/NAP
Start	18637	End	20263
GI	6539588	Score	133
Exons	18637..18671, 19696..19792, 19957..20263		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	1877	Seq. ID	OJ990923_03.9B10.C11
Gene No.	3899	Strand	+

Start	48	End	584
Name	OJ990923_03.9B10.C11.o1.gs	Method	GENSCAN
Start	48	End	584
GI	none	Score	.62
Exons	48..92, 486..584		

Seq. No.	1877	Seq. ID	OJ990923_03.9B10.C11
Gene No.	3900	Strand	+
Start	6729	End	7384
Name	OJ990923_03.9B10.C11.o3.gs	Method	GENSCAN
Start	6729	End	7384
GI	none	Score	.96
Exons	6729..6888, 6975..7384		

Seq. No.	1877	Seq. ID	OJ990923_03.9B10.C11
Gene No.	3901	Strand	-
Start	3572	End	5758
Name	OJ990923_03.9B10.C11.o2.gs	Method	GENSCAN
Start	3572	End	5758
GI	none	Score	.94
Exons	3572..3730, 4383..4429, 4940..5024, 5576..5758		

Seq. No.	1877	Seq. ID	OJ990923_03.9B10.C11
Gene No.	3902	Strand	-
Start	8253	End	15301
Name	OJ990923_03.9B10.C11.o1.tm	Method	TBLASTX:Maize
Start	3554	End	8989
GI	none	Score	69
Exons	3554..3733, 3572..3715, 3594..3734, 8815..8988, 8833..8970, 8849..8989		

Seq. No.	1877	Seq. ID	OJ990923_03.9B10.C11
Gene No.	3902	Strand	-
Start	8253	End	15301
Name	OJ990923_03.9B10.C11.o2.ts	Method	TBLASTX:Soybean
Start	3579	End	8989
GI	none	Score	139
Exons	3579..3734, 3581..3733, 8839..8988, 8846..8989		

Seq. No.	1877	Seq. ID	OJ990923_03.9B10.C11
Gene No.	3902	Strand	-
Start	8253	End	15301
Name	OJ990923_03.9B10.C11.o2.tm	Method	TBLASTX:Maize
Start	4956	End	13331
GI	none	Score	124
Exons	4956..5027, 5476..5508, 5636..5800, 5637..5795, 6020..6115, 6526..6777, 6530..6760, 7220..7336, 11387..11458, 12022..12186, 12023..12181, 12472..12552, 13097..13330, 13098..13331		

Seq. No.	1877	Seq. ID	OJ990923_03.9B10.C11
Gene No.	3902	Strand	-
Start	8253	End	15301
Name	OJ990923_03.9B10.C11.o1.tc	Method	TBLASTX:Cress
Start	6035	End	15215
GI	none	Score	170
Exons	6035..6151, 6526..6777, 6530..6760, 7219..7278, 7220..7300, 12139..12186, 12472..12552, 13094..13240, 13097..13330,		

13098..13331, 15134..15193, 15135..15215

Seq. No.	1877	Seq. ID	OJ990923_03.9B10.C11
Gene No.	3902	Strand	-
Start	8253	End	15301
Name	OJ990923_03.9B10.C11.o1.ts	Method	TBLASTX:Soybean
Start	6512	End	15215
GI	none	Score	165
Exons	6512..6760, 6526..6777, 7219..7278, 7220..7300, 13095..13226, 13097..13330, 13302..13331, 15134..15193, 15135..15215		

Seq. No.	1877	Seq. ID	OJ990923_03.9B10.C11
Gene No.	3902	Strand	-
Start	8253	End	15301
Name	OJ990923_03.9B10.C11.o4.gs	Method	GENSCAN
Start	8253	End	15301
GI	none	Score	.56
Exons	8253..8391, 8858..8985, 9379..9468, 10643..10689, 12474..12553, 13098..13329, 14615..14719, 15136..15301		

Seq. No.	1877	Seq. ID	OJ990923_03.9B10.C11
Gene No.	3902	Strand	-
Start	8253	End	15301
Name	OJ990923_03.9B10.C11.o1.np	Method	AAT/NAP
Start	8802	End	15244
GI	3451068	Score	648
Exons	8802..8985, 11818..11896, 12026..12179, 12474..12582, 13084..13329, 15136..15244		
GI Descrip.	(AL031326) putative protein [Arabidopsis thaliana]		

Seq. No.	1878	Seq. ID	OJ990923_03.9B10.C12
Gene No.	3903	Strand	+
Start	183	End	579
Name	OJ990923_03.9B10.C12.o1.gs	Method	GENSCAN
Start	183	End	579
GI	none	Score	.78
Exons	183..359, 385..579		

Seq. No.	1878	Seq. ID	OJ990923_03.9B10.C12
Gene No.	3904	Strand	+
Start	4653	End	8504
Name	OJ990923_03.9B10.C12.o3.gs	Method	GENSCAN
Start	4653	End	8504
GI	none	Score	.88
Exons	4653..4655, 5364..5539, 7124..7134, 7863..8017, 8475..8504		

Seq. No.	1878	Seq. ID	OJ990923_03.9B10.C12
Gene No.	3905	Strand	+
Start	14358	End	17247
Name	OJ990923_03.9B10.C12.o5.gs	Method	GENSCAN
Start	14358	End	17247
GI	none	Score	.75
Exons	14358..14420, 14799..14822, 15020..15126, 15546..15763, 16393..16673, 16887..17024, 17092..17247		

Seq. No.	1878	Seq. ID	OJ990923_03.9B10.C12
Gene No.	3906	Strand	-

Start	337	End	2816
Name	OJ990923_03.9B10.C12.o1.np	Method	AAT/NAP
Start	337	End	2816
GI	6815062	Score	2707
Exons	337..569, 624..644, 943..1282, 1360..1458, 1540..1885, 1929..2487, 2582..2816		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	1878	Seq. ID	OJ990923_03.9B10.C12
Gene No.	3906	Strand	-
Start	337	End	2816
Name	OJ990923_03.9B10.C12.o2.gs	Method	GENSCAN
Start	929	End	2750
GI	none	Score	.85
Exons	929..1282, 1360..1458, 1540..1885, 1929..2019, 2203..2487, 2582..2750		

Seq. No.	1878	Seq. ID	OJ990923_03.9B10.C12
Gene No.	3907	Strand	-
Start	8134	End	14131
Name	OJ990923_03.9B10.C12.o2.np	Method	AAT/NAP
Start	8134	End	13769
GI	4432814	Score	247
Exons	8134..8151, 9804..9878, 10982..11180, 12430..12486, 13215..13490, 13596..13769		
GI Descrip.	(AC006593) unknown protein [Arabidopsis thaliana]		

Seq. No.	1878	Seq. ID	OJ990923_03.9B10.C12
Gene No.	3907	Strand	-
Start	8134	End	14131
Name	OJ990923_03.9B10.C12.o1.gp	Method	AAT/GAP
Start	8766	End	9058
GI	454488	Score	171
Exons	8766..8872, 9031..9058		
GI Descrip.	4249382/gb AAD14479 4.0e-18 (AC005966) Strong similarity to gi_3337350 F13P17.3 putative permease from Arabidopsis thaliana BAC gb_AC004481. [Arabidopsis thaliana]		

Seq. No.	1878	Seq. ID	OJ990923_03.9B10.C12
Gene No.	3907	Strand	-
Start	8134	End	14131
Name	OJ990923_03.9B10.C12.o4.gs	Method	GENSCAN
Start	9029	End	14131
GI	none	Score	.86
Exons	9029..9301, 9386..9559, 9772..9878, 10982..11180, 13215..13490, 13596..14027, 14096..14131		

Seq. No.	1878	Seq. ID	OJ990923_03.9B10.C12
Gene No.	3908	Strand	-
Start	14343	End	17569
Name	OJ990923_03.9B10.C12.o3.tm	Method	TBLASTX:Maize
Start	1199	End	2128
GI	none	Score	67
Exons	1199..1297, 1540..1836, 1928..1954, 1961..2128, 1961..2128		

Seq. No.	1878	Seq. ID	OJ990923_03.9B10.C12
Gene No.	3908	Strand	-
Start	14343	End	17569
Name	OJ990923_03.9B10.C12.o2.tm	Method	TBLASTX:Maize
Start	2168	End	2648
GI	none	Score	157
Exons	2168..2398, 2181..2396, 2397..2456, 2421..2495, 2426..2494, 2559..2648		

Seq. No.	1878	Seq. ID	OJ990923_03.9B10.C12
Gene No.	3908	Strand	-
Start	14343	End	17569
Name	OJ990923_03.9B10.C12.o1.tm	Method	TBLASTX:Maize
Start	9015	End	9825
GI	none	Score	292
Exons	9015..9293, 9020..9301, 9033..9293, 9034..9294, 9038..9295, 9377..9562, 9387..9557, 9772..9825		

Seq. No.	1878	Seq. ID	OJ990923_03.9B10.C12
Gene No.	3908	Strand	-
Start	14343	End	17569
Name	OJ990923_03.9B10.C12.o1.ts	Method	TBLASTX:Soybean
Start	9041	End	9238
GI	none	Score	133
Exons	9041..9238, 9042..9236		

Seq. No.	1878	Seq. ID	OJ990923_03.9B10.C12
Gene No.	3908	Strand	-
Start	14343	End	17569
Name	OJ990923_03.9B10.C12.o4.np	Method	AAT/NAP
Start	14343	End	17569
GI	5852093	Score	98
Exons	14343..14366, 16055..16191, 17517..17569		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	1879	Seq. ID	OJ990923_03.9B10.C13
Gene No.	3909	Strand	-
Start	1	End	772
Name	OJ990923_03.9B10.C13.o1.tm	Method	TBLASTX:Maize
Start	1	End	772
GI	none	Score	73
Exons	1..54, 57..269, 57..275, 274..303, 594..638, 641..772		

Seq. No.	1880	Seq. ID	OJ990803_06.9B18.C1
Gene No.	3910	Strand	+
Start	1	End	543
Name	OJ990803_06.9B18.C1.o1.gp	Method	AAT/GAP
Start	1	End	85
GI	22772_1.R1084	Score	161
Exons	1..85		
GI Descrip.	'2262115/gb AAB63623.1 2.0e-31 (AC002343) cellulose synthase isolog [Arabidopsis thaliana]'		

Seq. No.	1880	Seq. ID	OJ990803_06.9B18.C1
Gene No.	3910	Strand	+
Start	1	End	543
Name	OJ990803_06.9B18.C1.o1.np	Method	AAT/NAP

Start	1	End	543
GI	4972103	Score	191
Exons	1..184, 276..543		
GI Descrip.	(AL078468) cellulose synthase catalytic subunit-like protein [Arabidopsis thaliana]		

Seq. No.	1880	Seq. ID	OJ990803_06.9B18.C1
Gene No.	3910	Strand	+
Start	1	End	543
Name	OJ990803_06.9B18.C1.ol.gs	Method	GENSCAN
Start	47	End	520
GI	none	Score	.74
Exons	47..184, 390..520		

Seq. No.	1880	Seq. ID	OJ990803_06.9B18.C1
Gene No.	3911	Strand	-
Start	396	End	543
Name	OJ990803_06.9B18.C1.ol.ts	Method	TBLASTX:Soybean
Start	46	End	479
GI	none	Score	112
Exons	46..180, 47..190, 279..479, 281..466		

Seq. No.	1880	Seq. ID	OJ990803_06.9B18.C1
Gene No.	3911	Strand	-
Start	396	End	543
Name	OJ990803_06.9B18.C1.ol.tm	Method	TBLASTX:Maize
Start	53	End	542
GI	none	Score	157
Exons	53..190, 278..541, 279..542		

Seq. No.	1880	Seq. ID	OJ990803_06.9B18.C1
Gene No.	3911	Strand	-
Start	396	End	543
Name	OJ990803_06.9B18.C1.o2.gp	Method	AAT/GAP
Start	396	End	543
GI	none	Score	270
Exons	396..543		

Seq. No.	1881	Seq. ID	OJ990803_06.9B18.C3
Gene No.	3912	Strand	+
Start	1	End	392
Name	OJ990803_06.9B18.C3.ol.np	Method	AAT/NAP
Start	1	End	392
GI	6742729	Score	604
Exons	1..392		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	1881	Seq. ID	OJ990803_06.9B18.C3
Gene No.	3912	Strand	+
Start	1	End	392
Name	OJ990803_06.9B18.C3.ol.tm	Method	TBLASTX:Maize
Start	2	End	263
GI	none	Score	251
Exons	2..235, 3..263, 33..263		

Seq. No.	1881	Seq. ID	OJ990803_06.9B18.C3
Gene No.	3912	Strand	+

Start 1
 Name OJ990803_06.9B18.C3.ol.tw
 Start 2
 GI none
 Exons 2..391, 3..392

End 392
 Method TBLASTX:Wheat
 End 392
 Score 455

Seq. No. 1881
 Gene No. 3912
 Start 1
 Name OJ990803_06.9B18.C3.ol.gs
 Start 57
 GI none
 Exons 57..386

Seq. ID OJ990803_06.9B18.C3
 Strand +
 End 392
 Method GENSCAN
 End 386
 Score .76

Seq. No. 1881
 Gene No. 3912
 Start 1
 Name OJ990803_06.9B18.C3.ol.tc
 Start 190
 GI none
 Exons 190..372, 194..349, 194..391, 198..392

Seq. ID OJ990803_06.9B18.C3
 Strand +
 End 392
 Method TBLASTX:Cress
 End 392
 Score 111

Seq. No. 1882
 Gene No. 3913
 Start 1
 Name OJ990803_06.9B18.C4.ol.np
 Start 1
 GI 421843
 Exons 1..690

Seq. ID OJ990803_06.9B18.C4
 Strand -
 End 1736
 Method AAT/NAP
 End 690
 Score 396

GI Descrip. protein kinase (EC 2.7.1.37) 5 - Arabidopsis thaliana
 gi|217861|dbj|BAA01715| (D10909) serine/threonine protein kinase
 [Arabidopsis thaliana]

Seq. No. 1882
 Gene No. 3913
 Start 1
 Name OJ990803_06.9B18.C4.ol.tm
 Start 1
 GI none
 Exons 1..42, 2..40, 44..214, 45..212

Seq. ID OJ990803_06.9B18.C4
 Strand -
 End 1736
 Method TBLASTX:Maize
 End 214
 Score 41

Seq. No. 1882
 Gene No. 3913
 Start 1
 Name OJ990803_06.9B18.C4.ol.ts
 Start 1
 GI none
 Exons 1..42, 2..40, 44..214, 45..212, 217..279, 268..303

Seq. ID OJ990803_06.9B18.C4
 Strand -
 End 1736
 Method TBLASTX:Soybean
 End 303
 Score 41

Seq. No. 1882
 Gene No. 3913
 Start 1
 Name OJ990803_06.9B18.C4.ol.tc
 Start 1
 GI none
 Exons 1..42, 5..40, 44..214, 45..212

Seq. ID OJ990803_06.9B18.C4
 Strand -
 End 1736
 Method TBLASTX:Cress
 End 214
 Score 38

Seq. No. 1882
 Gene No. 3913
 Start 1
 Name OJ990803_06.9B18.C4.o1.gs
 Start 164
 GI none
 Exons 164..360, 438..711

Seq. ID OJ990803_06.9B18.C4
 Strand -
 End 1736
 Method GENSCAN
 End 711
 Score .87

Seq. No. 1882
 Gene No. 3913
 Start 1
 Name OJ990803_06.9B18.C4.o1.gp
 Start 257
 GI none
 Exons 257..808, 1700..1736

Seq. ID OJ990803_06.9B18.C4
 Strand -
 End 1736
 Method AAT/GAP
 End 1736
 Score 1071

Seq. No. 1883
 Gene No. 3914
 Start 1829
 Name OJ990803_06.9B18.C5.o1.gs
 Start 1829
 GI none
 Exons 1829..2008

Seq. ID OJ990803_06.9B18.C5
 Strand +
 End 2008
 Method GENSCAN
 End 2008
 Score .75

Seq. No. 1884
 Gene No. 3915
 Start 2484
 Name OJ990803_06.9B18.C6.o1.np
 Start 2484
 GI 4586249
 Exons 2484..3046

Seq. ID OJ990803_06.9B18.C6
 Strand +
 End 3074
 Method AAT/NAP
 End 3046
 Score 354

GI Descrip. (AL049640) putative pollen surface protein [Arabidopsis thaliana]

Seq. No. 1884
 Gene No. 3915
 Start 2484
 Name OJ990803_06.9B18.C6.o1.tc
 Start 2487
 GI none
 Exons 2487..2924, 2922..3008

Seq. ID OJ990803_06.9B18.C6
 Strand +
 End 3074
 Method TBLASTX:Cress
 End 3008
 Score 282

Seq. No. 1884
 Gene No. 3915
 Start 2484
 Name OJ990803_06.9B18.C6.o1.ts
 Start 2562
 GI none
 Exons 2562..2945, 2621..2695, 2804..2911, 2922..3008, 2948..3004

Seq. ID OJ990803_06.9B18.C6
 Strand +
 End 3074
 Method TBLASTX:Soybean
 End 3008
 Score 300

Seq. No. 1884
 Gene No. 3915
 Start 2484
 Name OJ990803_06.9B18.C6.o1.tm
 Start 2694
 GI none
 Exons 2694..2918, 2694..2747, 2798..2935, 2913..3008, 2916..3074

Seq. ID OJ990803_06.9B18.C6
 Strand +
 End 3074
 Method TBLASTX:Maize
 End 3074
 Score 322

Seq. No. 1885
 Gene No. 3916
 Start 2441
 Name OJ990803_06.9B18.C7.o1.gp
 Start 2202
 GI none
 Exons 2202..2289, 2430..2783

Seq. ID OJ990803_06.9B18.C7
 Strand +
 End 2968
 Method AAT/GAP
 End 2783
 Score 815

Seq. No. 1885
 Gene No. 3916
 Start 2441
 Name OJ990803_06.9B18.C7.o1.np
 Start 2404
 GI 6552738
 Exons 2404..2802
 GI Descrip. (AC013482) T26F17.20 [Arabidopsis thaliana]

Seq. ID OJ990803_06.9B18.C7
 Strand +
 End 2968
 Method AAT/NAP
 End 2802
 Score 165

Seq. No. 1885
 Gene No. 3916
 Start 2441
 Name OJ990803_06.9B18.C7.o2.gs
 Start 2441
 GI none
 Exons 2441..2968

Seq. ID OJ990803_06.9B18.C7
 Strand +
 End 2968
 Method GENSCAN
 End 2968
 Score .84

Seq. No. 1885
 Gene No. 3917
 Start 5564
 Name OJ990803_06.9B18.C7.o4.gs
 Start 5564
 GI none
 Exons 5564..6436

Seq. ID OJ990803_06.9B18.C7
 Strand +
 End 6436
 Method GENSCAN
 End 6436
 Score .86

Seq. No. 1885
 Gene No. 3918
 Start 7483
 Name OJ990803_06.9B18.C7.o3.gp
 Start 7483
 GI LIB3431-028-P1-N1-A10
 Exons 7483..7550, 7578..7927
 GI Descrip. '4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'

Seq. ID OJ990803_06.9B18.C7
 Strand +
 End 7927
 Method AAT/GAP
 End 7927
 Score 753

Seq. No. 1885
 Gene No. 3919
 Start 3745
 Name OJ990803_06.9B18.C7.o2.np
 Start 3452
 GI 862343
 Exons 3452..3703
 GI Descrip. (L10908) Gcap1 gene product [Mus musculus]
 gi|1092097|prf||2022314A granule cell marker protein [Mus musculus]
 gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]

Seq. ID OJ990803_06.9B18.C7
 Strand -
 End 4736
 Method AAT/NAP
 End 3703
 Score 99

Seq. No. 1885

Seq. ID OJ990803_06.9B18.C7

Gene No.	3919	Strand	-
Start	3745	End	4736
Name	OJ990803_06.9B18.C7.o2.gp	Method	AAT/GAP
Start	3489	End	3587
GI	LIB3477-003-P1-K1-E9	Score	117
Exons	3489..3587		
GI Descrip.	'2498586/sp Q40638 MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	1885	Seq. ID	OJ990803_06.9B18.C7
Gene No.	3919	Strand	-
Start	3745	End	4736
Name	OJ990803_06.9B18.C7.o3.gs	Method	GENSCAN
Start	3745	End	4736
GI	none	Score	.78
Exons	3745..3927, 4011..4109, 4207..4279, 4363..4473, 4564..4736		

Seq. No.	1885	Seq. ID	OJ990803_06.9B18.C7
Gene No.	3920	Strand	-
Start	7546	End	9614
Name	OJ990803_06.9B18.C7.o1.tw	Method	TBLASTX:Wheat
Start	1920	End	8938
GI	none	Score	122
Exons	1920..2036, 7609..7713, 7714..7782, 7795..7935, 7796..7936, 7892..7978, 7915..7974, 7981..8022, 7981..8025, 7986..8027, 8020..8937, 8036..8356, 8393..8938		

Seq. No.	1885	Seq. ID	OJ990803_06.9B18.C7
Gene No.	3920	Strand	-
Start	7546	End	9614
Name	OJ990803_06.9B18.C7.o2.ts	Method	TBLASTX:Soybean
Start	2291	End	2767
GI	none	Score	190
Exons	2291..2329, 2455..2730, 2507..2767		

Seq. No.	1885	Seq. ID	OJ990803_06.9B18.C7
Gene No.	3920	Strand	-
Start	7546	End	9614
Name	OJ990803_06.9B18.C7.o3.tw	Method	TBLASTX:Wheat
Start	2476	End	2761
GI	none	Score	68
Exons	2476..2730, 2499..2669, 2507..2761		

Seq. No.	1885	Seq. ID	OJ990803_06.9B18.C7
Gene No.	3920	Strand	-
Start	7546	End	9614
Name	OJ990803_06.9B18.C7.o5.gs	Method	GENSCAN
Start	7546	End	9559
GI	none	Score	.58
Exons	7546..7881, 7972..8327, 8370..8589, 8962..9559		

Seq. No.	1885	Seq. ID	OJ990803_06.9B18.C7
Gene No.	3920	Strand	-
Start	7546	End	9614
Name	OJ990803_06.9B18.C7.o4.np	Method	AAT/NAP
Start	8105	End	9614

GI	6742729	Score	2374
Exons	8105..9614		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	1885	Seq. ID	OJ990803_06.9B18.C7
Gene No.	3920	Strand	-
Start	7546	End	9614
Name	OJ990803_06.9B18.C7.o1.tc	Method	TBLASTX:Cress
Start	8202	End	8650
GI	none	Score	99
Exons	8202..8453, 8203..8352, 8203..8646, 8207..8356, 8213..8650, 8393..8650		

Seq. No.	1885	Seq. ID	OJ990803_06.9B18.C7
Gene No.	3920	Strand	-
Start	7546	End	9614
Name	OJ990803_06.9B18.C7.o1.tm	Method	TBLASTX:Maize
Start	8581	End	8895
GI	none	Score	144
Exons	8581..8895, 8609..8884		

Seq. No.	1885	Seq. ID	OJ990803_06.9B18.C7
Gene No.	3920	Strand	-
Start	7546	End	9614
Name	OJ990803_06.9B18.C7.o2.tw	Method	TBLASTX:Wheat
Start	8939	End	9349
GI	none	Score	81
Exons	8939..9025, 8941..9030, 8941..9024, 9057..9260, 9057..9269, 9058..9300, 9098..9280, 9286..9348, 9299..9349		

Seq. No.	1885	Seq. ID	OJ990803_06.9B18.C7
Gene No.	3920	Strand	-
Start	7546	End	9614
Name	OJ990803_06.9B18.C7.o1.ts	Method	TBLASTX:Soybean
Start	9382	End	9612
GI	none	Score	196
Exons	9382..9612		

Seq. No.	1886	Seq. ID	OJ990803_06.9B18.C8
Gene No.	3921	Strand	-
Start	1	End	1614
Name	OJ990803_06.9B18.C8.o1.gp	Method	AAT/GAP
Start	1	End	1055
GI	342_1.R1084	Score	1653
Exons	1..1055		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	1886	Seq. ID	OJ990803_06.9B18.C8
Gene No.	3921	Strand	-
Start	1	End	1614
Name	OJ990803_06.9B18.C8.o1.np	Method	AAT/NAP
Start	1	End	1059
GI	4680203	Score	1163
Exons	1..1059		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	1886	Seq. ID	OJ990803_06.9B18.C8
Gene No.	3921	Strand	-
Start	1	End	1614
Name	OJ990803_06.9B18.C8.o1.ts	Method	TBLASTX:Soybean
Start	8	End	436
GI	none	Score	73
Exons	8..112, 26..118, 121..303, 137..271, 298..360, 353..436, 361..435		

Seq. No.	1886	Seq. ID	OJ990803_06.9B18.C8
Gene No.	3921	Strand	-
Start	1	End	1614
Name	OJ990803_06.9B18.C8.o1.gs	Method	GENSCAN
Start	46	End	1614
GI	none	Score	.75
Exons	46..1059, 1508..1614		

Seq. No.	1886	Seq. ID	OJ990803_06.9B18.C8
Gene No.	3921	Strand	-
Start	1	End	1614
Name	OJ990803_06.9B18.C8.o1.tw	Method	TBLASTX:Wheat
Start	357	End	734
GI	none	Score	187
Exons	357..599, 365..607, 367..618, 368..610, 601..696, 615..734		

Seq. No.	1887	Seq. ID	OJ990803_06.9B18.C9
Gene No.	3922	Strand	+
Start	1	End	3387
Name	OJ990803_06.9B18.C9.o1.np	Method	AAT/NAP
Start	1	End	3387
GI	4680183	Score	910
Exons	1..165, 1300..2616, 3082..3123, 3210..3387		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	1887	Seq. ID	OJ990803_06.9B18.C9
Gene No.	3922	Strand	+
Start	1	End	3387
Name	OJ990803_06.9B18.C9.o1.gs	Method	GENSCAN
Start	121	End	2083
GI	none	Score	.54
Exons	121..409, 636..1727, 1833..2083		

Seq. No.	1887	Seq. ID	OJ990803_06.9B18.C9
Gene No.	3922	Strand	+
Start	1	End	3387
Name	OJ990803_06.9B18.C9.o2.tw	Method	TBLASTX:Wheat
Start	1394	End	1786
GI	none	Score	58
Exons	1394..1438, 1439..1552, 1450..1500, 1511..1786, 1558..1785		

Seq. No.	1887	Seq. ID	OJ990803_06.9B18.C9
Gene No.	3922	Strand	+
Start	1	End	3387
Name	OJ990803_06.9B18.C9.o1.tm	Method	TBLASTX:Maize
Start	1433	End	1672
GI	none	Score	184
Exons	1433..1672		

Seq. No.	1887	Seq. ID	OJ990803_06.9B18.C9
Gene No.	3922	Strand	+
Start	1	End	3387
Name	OJ990803_06.9B18.C9.o2.gs	Method	GENSCAN
Start	2187	End	3288
GI	none	Score	.57
Exons	2187..2354, 2406..3032, 3108..3288		

Seq. No.	1887	Seq. ID	OJ990803_06.9B18.C9
Gene No.	3922	Strand	+
Start	1	End	3387
Name	OJ990803_06.9B18.C9.o1.tw	Method	TBLASTX:Wheat
Start	2415	End	3182
GI	none	Score	135
Exons	2415..2597, 2423..2524, 2634..2870, 2636..2821, 2928..3182, 3017..3181		

Seq. No.	1887	Seq. ID	OJ990803_06.9B18.C9
Gene No.	3922	Strand	+
Start	1	End	3387
Name	OJ990803_06.9B18.C9.o2.tm	Method	TBLASTX:Maize
Start	3191	End	3386
GI	none	Score	120
Exons	3191..3349, 3313..3378, 3318..3380, 3327..3386		

Seq. No.	1888	Seq. ID	OJ990803_06.9B18.C10
Gene No.	3923	Strand	+
Start	1	End	2830
Name	OJ990803_06.9B18.C10.o1.np	Method	AAT/NAP
Start	1	End	2404
GI	4680180	Score	2161
Exons	1..1123, 1163..2404		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1888	Seq. ID	OJ990803_06.9B18.C10
Gene No.	3923	Strand	+
Start	1	End	2830
Name	OJ990803_06.9B18.C10.o1.gs	Method	GENSCAN
Start	12	End	2830
GI	none	Score	.49
Exons	12..512, 569..2319, 2566..2830		

Seq. No.	1888	Seq. ID	OJ990803_06.9B18.C10
Gene No.	3923	Strand	+
Start	1	End	2830
Name	OJ990803_06.9B18.C10.o2.tm	Method	TBLASTX:Maize
Start	21	End	296
GI	none	Score	231
Exons	21..224, 38..220, 153..296		

Seq. No.	1888	Seq. ID	OJ990803_06.9B18.C10
Gene No.	3923	Strand	+
Start	1	End	2830
Name	OJ990803_06.9B18.C10.o3.tw	Method	TBLASTX:Wheat
Start	53	End	431
GI	none	Score	193

Exons 53..292, 54..293, 286..429, 302..421, 303..431, 306..431

Seq. No.	1888	Seq. ID	OJ990803_06.9B18.C10
Gene No.	3923	Strand	+
Start	1	End	2830
Name	OJ990803_06.9B18.C10.o4.tw	Method	TBLASTX:Wheat
Start	511	End	910
GI	none	Score	103
Exons	511..606, 515..598, 626..910, 757..864		

Seq. No.	1888	Seq. ID	OJ990803_06.9B18.C10
Gene No.	3923	Strand	+
Start	1	End	2830
Name	OJ990803_06.9B18.C10.o1.tm	Method	TBLASTX:Maize
Start	1280	End	1585
GI	none	Score	337
Exons	1280..1585, 1318..1584		

Seq. No.	1888	Seq. ID	OJ990803_06.9B18.C10
Gene No.	3923	Strand	+
Start	1	End	2830
Name	OJ990803_06.9B18.C10.o2.tw	Method	TBLASTX:Wheat
Start	1280	End	1666
GI	none	Score	370
Exons	1280..1666, 1288..1662		

Seq. No.	1888	Seq. ID	OJ990803_06.9B18.C10
Gene No.	3923	Strand	+
Start	1	End	2830
Name	OJ990803_06.9B18.C10.o1.tw	Method	TBLASTX:Wheat
Start	1787	End	2395
GI	none	Score	351
Exons	1787..2239, 1826..1975, 1936..2043, 2264..2395		

Seq. No.	1888	Seq. ID	OJ990803_06.9B18.C10
Gene No.	3923	Strand	+
Start	1	End	2830
Name	OJ990803_06.9B18.C10.o3.tm	Method	TBLASTX:Maize
Start	2093	End	2359
GI	none	Score	156
Exons	2093..2275, 2276..2359		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3924	Strand	+
Start	49	End	2189
Name	OJ990803_06.9B18.C11.o1.gs	Method	GENSCAN
Start	49	End	2189
GI	none	Score	.46
Exons	49..249, 305..445, 1322..1377, 2152..2189		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3924	Strand	+
Start	49	End	2189
Name	OJ990803_06.9B18.C11.o1.gp	Method	AAT/GAP
Start	1328	End	1709
GI	uC-osflcyp033a04b1	Score	655
Exons	1328..1709		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3925	Strand	+
Start	9546	End	10310
Name	OJ990803_06.9B18.C11.o3.gp	Method	AAT/GAP
Start	9481	End	10001
GI	2311873	Score	518
Exons	9481..9551, 9780..10001		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3925	Strand	+
Start	9546	End	10310
Name	OJ990803_06.9B18.C11.o3.gs	Method	GENSCAN
Start	9546	End	10310
GI	none	Score	.94
Exons	9546..10310		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3926	Strand	+
Start	10293	End	10628
Name	OJ990803_06.9B18.C11.o4.gp	Method	AAT/GAP
Start	10293	End	10628
GI	3759912	Score	624
Exons	10293..10628		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3927	Strand	+
Start	16344	End	17065
Name	OJ990803_06.9B18.C11.o6.gp	Method	AAT/GAP
Start	16272	End	17063
GI	32901_1.R1084	Score	1418
Exons	16272..16524, 16590..17063		
GI Descrip.	'4514716/dbj BAA75495.1 3.0e-20 (AB017533) EPc [Nicotiana tabacum]'		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3927	Strand	+
Start	16344	End	17065
Name	OJ990803_06.9B18.C11.o5.gs	Method	GENSCAN
Start	16344	End	17065
GI	none	Score	.99
Exons	16344..16524, 16590..17065		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3928	Strand	+
Start	18440	End	19789
Name	OJ990803_06.9B18.C11.o7.gp	Method	AAT/GAP
Start	18440	End	19789
GI	30612_1.R1084	Score	937
Exons	18440..18601, 19277..19498, 19642..19789		
GI Descrip.	'2642213 1.0e-16 (AF030385) nitrate-induced NOI protein [Zea mays] >gi_2895781 (AF045033) nitrate-induced NOI protein [Zea mays]'		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
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Gene No.	3929	Strand	+
Start	21101	End	21588
Name	OJ990803_06.9B18.C11.o8.gp	Method	AAT/GAP
Start	21101	End	21588
GI	none	Score	918
Exons	21101..21588		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3930	Strand	+
Start	31561	End	34967
Name	OJ990803_06.9B18.C11.o7.gs	Method	GENSCAN
Start	31561	End	34860
GI	none	Score	.92
Exons	31561..31881, 32800..32885, 32999..33304, 33425..33508, 34446..34860		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3930	Strand	+
Start	31561	End	34967
Name	OJ990803_06.9B18.C11.o6.np	Method	AAT/NAP
Start	31711	End	34857
GI	1086252	Score	665
Exons	31711..31881, 32800..32885, 32999..33304, 33425..33508, 34446..34627, 34703..34857		
GI Descrip.	sucrose cleavage protein - Potato gi 707001 bbs 157931 (S74161) sucrolytic enzyme/ferredoxin homolog [Solanum tuberosum=potatoes, cv. Cara, leaf, Peptide, 322 aa] [Solanum tuberosum]		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3930	Strand	+
Start	31561	End	34967
Name	OJ990803_06.9B18.C11.o13.gp	Method	AAT/GAP
Start	33268	End	34967
GI	21749_1.R1084	Score	1150
Exons	33268..33304, 33425..33508, 34446..34967		
GI Descrip.	'1086252/pir S51376 1.0e-14 sucrose cleavage protein - Potato >gi_707001_bbs_157931 (S74161) sucrolytic enzyme/ferredoxin homolog [Solanum tuberosum=potatoes, cv. Cara, leaf, Peptide, 322 aa] [Solanum tuberosum]'		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3931	Strand	-
Start	1	End	1611
Name	OJ990803_06.9B18.C11.o1.np	Method	AAT/NAP
Start	1	End	1611
GI	5852180	Score	530
Exons	1..404, 456..574, 1558..1611		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3932	Strand	-
Start	2397	End	6220
Name	OJ990803_06.9B18.C11.o2.gs	Method	GENSCAN
Start	2397	End	6220
GI	none	Score	.74
Exons	2397..2427, 2658..2964, 3365..4089, 4159..4217, 4289..4462,		

4530..4654, 4821..5020, 5022..5037, 5357..5458, 5872..6059,
6129..6220

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3932	Strand	-
Start	2397	End	6220
Name	OJ990803_06.9B18.C11.o2.np	Method	AAT/NAP
Start	3327	End	4930
GI	6721561	Score	1002
Exons	3327..4089, 4159..4217, 4289..4496, 4895..4930		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3933	Strand	-
Start	14374	End	14645
Name	OJ990803_06.9B18.C11.o5.gp	Method	AAT/GAP
Start	14374	End	14645
GI	3107594	Score	514
Exons	14374..14645		
GI Descrip.	2330840/emb CAB11070.1 5.0e-09 (Z98531) hypothetical protein [Schizosaccharomyces pombe]		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3934	Strand	-
Start	18068	End	30631
Name	OJ990803_06.9B18.C11.o6.gs	Method	GENSCAN
Start	18068	End	30613
GI	none	Score	.66
Exons	18068..18295, 19294..19470, 21376..21708, 21800..21936, 22611..22830, 22936..23067, 23306..23363, 23398..23446, 23637..24360, 24766..24900, 25161..25482, 25697..26022, 26417..26521, 26865..26987, 27140..27271, 27401..27503, 27886..28058, 28792..28872, 29274..29327, 29625..29736, 29765..29848, 29995..30104, 30236..30613		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3934	Strand	-
Start	18068	End	30631
Name	OJ990803_06.9B18.C11.o4.np	Method	AAT/NAP
Start	21163	End	26955
GI	2262116	Score	956
Exons	21163..21708, 21800..22192, 22300..22514, 22614..22830, 22936..23064, 23306..23451, 25181..25476, 25697..25780, 26762..26955		
GI Descrip.	(AC002343) cellulose synthase isolog [Arabidopsis thaliana]		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3934	Strand	-
Start	18068	End	30631
Name	OJ990803_06.9B18.C11.o9.gp	Method	AAT/GAP
Start	21899	End	22758
GI	22772_1.R1084	Score	1138
Exons	21899..22147, 22300..22518, 22618..22758		

GI Descrip. '2262115/gb|AAB63623.1| 2.0e-31 (AC002343) cellulose synthase
isolog [Arabidopsis thaliana]'

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3934	Strand	-
Start	18068	End	30631
Name	OJ990803_06.9B18.C11.o10.gp	Method	AAT/GAP
Start	24694	End	25147
GI	none	Score	793
Exons	24694..25147		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3934	Strand	-
Start	18068	End	30631
Name	OJ990803_06.9B18.C11.o11.gp	Method	AAT/GAP
Start	26266	End	27215
GI	LIB3432-032-P2-K1-D9	Score	1143
Exons	26266..26535, 26615..26768, 26865..26987, 27140..27215		
GI Descrip.	'3065835 3.0e-24 (AF058800) putative methyltransferase [Arabidopsis thaliana]'		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3934	Strand	-
Start	18068	End	30631
Name	OJ990803_06.9B18.C11.o5.np	Method	AAT/NAP
Start	26685	End	30607
GI	6466950	Score	1387
Exons	26685..26768, 26865..26984, 27140..27271, 27401..27503, 27886..28058, 28792..28872, 29038..29109, 29274..29327, 29625..29682, 29765..29848, 29941..30104, 30236..30607		
GI Descrip.	(AC009176) putative ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit N-methyltransferase I [Arabidopsis thaliana] gi 6648179 gb AAF21177.1 AC013483_1 (AC013483) putative ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit N-methyltransferase I [Arabidopsis thaliana]		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3934	Strand	-
Start	18068	End	30631
Name	OJ990803_06.9B18.C11.o12.gp	Method	AAT/GAP
Start	30028	End	30631
GI	uC-osflcyp078f08b1	Score	882
Exons	30028..30104, 30236..30631		
GI Descrip.	'3065835 2.0e-29 (AF058800) putative methyltransferase [Arabidopsis thaliana]'		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o1.ts	Method	TBLASTX:Soybean
Start	9633	End	9890
GI	none	Score	412
Exons	9633..9890, 9638..9877		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-

Start 35349
 Name OJ990803_06.9B18.C11.o1.tw
 Start 9633
 GI none
 Exons 9633..9908, 9638..9877

End 35557
 Method TBLASTX:Wheat
 End 9908
 Score 337

Seq. No. 1889
 Gene No. 3935
 Start 35349
 Name OJ990803_06.9B18.C11.o5.tm
 Start 9633
 GI none
 Exons 9633..9923, 9638..9877

Seq. ID OJ990803_06.9B18.C11
 Strand -
 End 35557
 Method TBLASTX:Maize
 End 9923
 Score 370

Seq. No. 1889
 Gene No. 3935
 Start 35349
 Name OJ990803_06.9B18.C11.o2.tc
 Start 9636
 GI none
 Exons 9636..9920, 9638..9877

Seq. ID OJ990803_06.9B18.C11
 Strand -
 End 35557
 Method TBLASTX:Cress
 End 9920
 Score 376

Seq. No. 1889
 Gene No. 3935
 Start 35349
 Name OJ990803_06.9B18.C11.o5.ts
 Start 13781
 GI none
 Exons 13781..13846, 14293..14484, 14297..14419

Seq. ID OJ990803_06.9B18.C11
 Strand -
 End 35557
 Method TBLASTX:Soybean
 End 14484
 Score 135

Seq. No. 1889
 Gene No. 3935
 Start 35349
 Name OJ990803_06.9B18.C11.o4.tm
 Start 14361
 GI none
 Exons 14361..14660, 14365..14661, 14369..14662, 15283..15396, 15283..15357

Seq. ID OJ990803_06.9B18.C11
 Strand -
 End 35557
 Method TBLASTX:Maize
 End 15396
 Score 359

Seq. No. 1889
 Gene No. 3935
 Start 35349
 Name OJ990803_06.9B18.C11.o8.tm
 Start 16422
 GI none
 Exons 16422..16523, 16427..16519, 16432..16533, 16604..16780, 16606..16779

Seq. ID OJ990803_06.9B18.C11
 Strand -
 End 35557
 Method TBLASTX:Maize
 End 16780
 Score 133

Seq. No. 1889
 Gene No. 3935
 Start 35349
 Name OJ990803_06.9B18.C11.o8.tc
 Start 16431
 GI none
 Exons 16431..16523, 16607..16780

Seq. ID OJ990803_06.9B18.C11
 Strand -
 End 35557
 Method TBLASTX:Cress
 End 16780
 Score 88

Seq. No. 1889

Seq. ID OJ990803_06.9B18.C11

Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o11.tm	Method	TBLASTX:Maize
Start	19251	End	19692
GI	none	Score	192
Exons	19251..19388, 19271..19390, 19275..19418, 19276..19425, 19641..19691, 19642..19692		
Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o3.tm	Method	TBLASTX:Maize
Start	21176	End	22036
GI	none	Score	76
Exons	21176..21364, 21193..21366, 21376..21705, 21380..21706, 21794..21931, 21935..22036		
Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o7.ts	Method	TBLASTX:Soybean
Start	21226	End	21577
GI	none	Score	109
Exons	21226..21336, 21331..21576, 21386..21577		
Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o5.tc	Method	TBLASTX:Cress
Start	21481	End	23034
GI	none	Score	118
Exons	21481..21612, 22435..22503, 22606..22830, 22915..23034		
Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o1.tc	Method	TBLASTX:Cress
Start	21661	End	22150
GI	none	Score	42
Exons	21661..21705, 21662..21703, 21794..22150, 21798..22145		
Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o3.ts	Method	TBLASTX:Soybean
Start	21836	End	22497
GI	none	Score	238
Exons	21836..22150, 21837..22145, 22039..22149, 22297..22368, 22369..22497		
Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o2.tm	Method	TBLASTX:Maize
Start	22334	End	22759
GI	none	Score	143
Exons	22334..22465, 22334..22471, 22335..22529, 22336..22545,		

22336..22539, 22574..22759, 22576..22758

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o6.ts	Method	TBLASTX:Soybean
Start	22618	End	22837
GI	none	Score	155
Exons	22618..22830, 22634..22798, 22643..22837		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o10.tm	Method	TBLASTX:Maize
Start	22762	End	23449
GI	none	Score	53
Exons	22762..22830, 22768..22815, 22933..23067, 22937..23071, 23297..23449		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o4.ts	Method	TBLASTX:Soybean
Start	22927	End	25911
GI	none	Score	73
Exons	22927..23067, 22932..23123, 22933..23052, 22979..23059, 23303..23449, 25203..25475, 25204..25452, 25693..25818, 25760..25816, 25834..25911		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o4.tc	Method	TBLASTX:Cress
Start	23312	End	25917
GI	none	Score	219
Exons	23312..23362, 23375..23446, 25203..25469, 25219..25449, 25676..25801, 25693..25818, 25858..25917		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o6.tm	Method	TBLASTX:Maize
Start	25218	End	25815
GI	none	Score	97
Exons	25218..25490, 25219..25452, 25720..25815		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o7.tc	Method	TBLASTX:Cress
Start	26620	End	28061
GI	none	Score	75
Exons	26620..26679, 26682..26768, 26862..26897, 27140..27274, 27369..27473, 27398..27475, 27398..27493, 27402..27494, 27858..28061, 27889..28059, 27929..28060		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
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Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o10.ts	Method	TBLASTX:Soybean
Start	26667	End	26967
GI	none	Score	46
Exons	26667..26768, 26730..26771, 26862..26960, 26866..26967		
Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o7.tm	Method	TBLASTX:Maize
Start	26676	End	28028
GI	none	Score	113
Exons	26676..26771, 26676..26768, 26862..26990, 26866..26988, 27140..27274, 27140..27274, 27398..27499, 27402..27503, 27432..27512, 27859..28026, 27864..28028, 27887..28027		
Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o9.ts	Method	TBLASTX:Soybean
Start	27886	End	28836
GI	none	Score	153
Exons	27886..28053, 27888..28052, 28789..28836		
Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o6.tc	Method	TBLASTX:Cress
Start	30231	End	30436
GI	none	Score	180
Exons	30231..30431, 30233..30436		
Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o9.tm	Method	TBLASTX:Maize
Start	30263	End	30440
GI	none	Score	200
Exons	30263..30439, 30264..30440		
Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o8.ts	Method	TBLASTX:Soybean
Start	30269	End	30437
GI	none	Score	151
Exons	30269..30436, 30270..30437		
Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o3.tc	Method	TBLASTX:Cress
Start	31687	End	33455
GI	none	Score	111
Exons	31687..31806, 32797..32823, 32842..32886, 32997..33305, 33068..33307, 33425..33454, 33426..33455		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o1.tm	Method	TBLASTX:Maize
Start	31702	End	34872
GI	none	Score	235
Exons	31702..31854, 31713..31886, 32802..32882, 32803..32886, 32803..32883, 32997..33305, 32998..33306, 32999..33307, 33000..33308, 33425..33508, 33426..33509, 34434..34520, 34443..34520, 34444..34521, 34522..34590, 34524..34565, 34524..34643, 34525..34644, 34559..34654, 34638..34727, 34639..34758, 34675..34872, 34694..34858, 34705..34860		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o2.ts	Method	TBLASTX:Soybean
Start	33015	End	34656
GI	none	Score	340
Exons	33015..33305, 33068..33307, 33203..33307, 33423..33509, 33424..33492, 33426..33509, 34585..34656		

Seq. No.	1889	Seq. ID	OJ990803_06.9B18.C11
Gene No.	3935	Strand	-
Start	35349	End	35557
Name	OJ990803_06.9B18.C11.o8.gs	Method	GENSCAN
Start	35349	End	35557
GI	none	Score	.93
Exons	35349..35557		

Seq. No.	1890	Seq. ID	OJ990803_06.9B18.C12
Gene No.	3936	Strand	-
Start	1	End	627
Name	OJ990803_06.9B18.C12.o1.np	Method	AAT/NAP
Start	1	End	626
GI	1346057	Score	1039
Exons	1..626		
GI Descrip.	PROTEIN KINASE G11A gi 100705 pir B30311 protein kinase C (EC 2.7.1.-) homolog - rice (fragment) gi 169788 (J04556) G11A protein [Oryza sativa]		

Seq. No.	1890	Seq. ID	OJ990803_06.9B18.C12
Gene No.	3936	Strand	-
Start	1	End	627
Name	OJ990803_06.9B18.C12.o1.tc	Method	TBLASTX:Cress
Start	1	End	626
GI	none	Score	395
Exons	1..333, 3..413, 40..423, 319..381, 379..414, 413..592, 423..626, 424..624		

Seq. No.	1890	Seq. ID	OJ990803_06.9B18.C12
Gene No.	3936	Strand	-
Start	1	End	627
Name	OJ990803_06.9B18.C12.o1.tm	Method	TBLASTX:Maize
Start	1	End	626
GI	none	Score	365

Exons 1..303, 3..311, 18..308, 294..374, 303..422, 313..375, 375..626, 379..624

Seq. No.	1890	Seq. ID	OJ990803_06.9B18.C12
Gene No.	3936	Strand	-
Start	1	End	627
Name	OJ990803_06.9B18.C12.o2.tw	Method	TBLASTX:Wheat
Start	1	End	177
GI	none	Score	186
Exons	1..177, 3..176		

Seq. No.	1890	Seq. ID	OJ990803_06.9B18.C12
Gene No.	3936	Strand	-
Start	1	End	627
Name	OJ990803_06.9B18.C12.o1.ts	Method	TBLASTX:Soybean
Start	1	End	627
GI	none	Score	399
Exons	1..321, 3..329, 3..626, 47..337, 319..426, 424..624, 484..627		

Seq. No.	1890	Seq. ID	OJ990803_06.9B18.C12
Gene No.	3936	Strand	-
Start	1	End	627
Name	OJ990803_06.9B18.C12.o1.gs	Method	GENSCAN
Start	59	End	624
GI	none	Score	.47
Exons	59..368, 480..624		

Seq. No.	1890	Seq. ID	OJ990803_06.9B18.C12
Gene No.	3936	Strand	-
Start	1	End	627
Name	OJ990803_06.9B18.C12.o1.tw	Method	TBLASTX:Wheat
Start	178	End	474
GI	none	Score	274
Exons	178..471, 180..452, 180..473, 181..474		

Seq. No.	1891	Seq. ID	OJ990803_06.9B18.C13
Gene No.	3937	Strand	+
Start	869	End	5576
Name	OJ990803_06.9B18.C13.o3.tm	Method	TBLASTX:Maize
Start	866	End	1072
GI	none	Score	165
Exons	866..1030, 869..1030, 870..1046, 876..1055, 1028..1072		

Seq. No.	1891	Seq. ID	OJ990803_06.9B18.C13
Gene No.	3937	Strand	+
Start	869	End	5576
Name	OJ990803_06.9B18.C13.o1.gs	Method	GENSCAN
Start	869	End	4995
GI	none	Score	.6
Exons	869..1092, 1767..2104, 2288..2451, 2548..2611, 3028..3161, 3315..3398, 3526..3600, 3886..3911, 4163..4215, 4334..4443, 4770..4838, 4921..4995		

Seq. No.	1891	Seq. ID	OJ990803_06.9B18.C13
Gene No.	3937	Strand	+
Start	869	End	5576
Name	OJ990803_06.9B18.C13.o1.np	Method	AAT/NAP

Start 1723 End 5576
 GI 5763526 Score 928
 Exons 1723..2104, 2285..2451, 2548..2611, 3028..3161, 3315..3398,
 3526..3600, 3680..3751, 3838..3911, 4163..4215, 4334..4443,
 4770..4838, 4921..4995, 5501..5576
 GI Descrip. (AL078465) putative protein [Arabidopsis thaliana]

Seq. No. 1891 Seq. ID OJ990803_06.9B18.C13
 Gene No. 3937 Strand +
 Start 869 End 5576
 Name OJ990803_06.9B18.C13.o1.tm Method TBLASTX:Maize
 Start 3027 End 3881
 GI none Score 176
 Exons 3027..3164, 3029..3160, 3312..3416, 3312..3392, 3313..3393,
 3314..3415, 3523..3603, 3524..3604, 3525..3653, 3525..3617,
 3689..3751, 3699..3749, 3837..3881, 3838..3879

Seq. No. 1891 Seq. ID OJ990803_06.9B18.C13
 Gene No. 3937 Strand +
 Start 869 End 5576
 Name OJ990803_06.9B18.C13.o1.ts Method TBLASTX:Soybean
 Start 3523 End 4353
 GI none Score 104
 Exons 3523..3612, 3525..3611, 3677..3763, 3679..3753, 3840..3911,
 3841..3912, 4163..4216, 4164..4217, 4330..4353

Seq. No. 1891 Seq. ID OJ990803_06.9B18.C13
 Gene No. 3937 Strand +
 Start 869 End 5576
 Name OJ990803_06.9B18.C13.o2.tm Method TBLASTX:Maize
 Start 4163 End 4819
 GI none Score 94
 Exons 4163..4216, 4164..4217, 4164..4217, 4329..4445, 4330..4452,
 4767..4817, 4767..4817, 4769..4819, 4769..4819

Seq. No. 1892 Seq. ID OJ990803_06.9B18.C14
 Gene No. 3938 Strand +
 Start 1 End 6942
 Name OJ990803_06.9B18.C14.o1.np Method AAT/NAP
 Start 1 End 642
 GI 5763526 Score 160
 Exons 1..115, 292..642
 GI Descrip. (AL078465) putative protein [Arabidopsis thaliana]

Seq. No. 1892 Seq. ID OJ990803_06.9B18.C14
 Gene No. 3938 Strand +
 Start 1 End 6942
 Name OJ990803_06.9B18.C14.o1.gs Method GENSCAN
 Start 92 End 6835
 GI none Score .53
 Exons 92..115, 292..711, 1071..1125, 3245..3450, 3455..4038,
 5875..6064, 6257..6299, 6639..6835

Seq. No. 1892 Seq. ID OJ990803_06.9B18.C14
 Gene No. 3938 Strand +
 Start 1 End 6942
 Name OJ990803_06.9B18.C14.o1.gp Method AAT/GAP

Start	6385	End	6942
GI	21474_1.R1084	Score	241
Exons	6385..6406, 6794..6942		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	1892	Seq. ID	OJ990803_06.9B18.C14
Gene No.	3939	Strand	-
Start	2266	End	11011
Name	OJ990803_06.9B18.C14.o2.np	Method	AAT/NAP
Start	2266	End	11011
GI	4680204	Score	1012
Exons	2266..2300, 7371..7473, 7824..8043, 8140..8313, 8423..9500, 9575..11011		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	1892	Seq. ID	OJ990803_06.9B18.C14
Gene No.	3939	Strand	-
Start	2266	End	11011
Name	OJ990803_06.9B18.C14.o2.gp	Method	AAT/GAP
Start	8523	End	8986
GI	uC-osflcyp176f10b1	Score	782
Exons	8523..8986		
GI Descrip.	'6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	1892	Seq. ID	OJ990803_06.9B18.C14
Gene No.	3940	Strand	-
Start	11765	End	12015
Name	OJ990803_06.9B18.C14.o1.tm	Method	TBLASTX:Maize
Start	3247	End	3495
GI	none	Score	119
Exons	3247..3426, 3248..3427, 3415..3495		

Seq. No.	1892	Seq. ID	OJ990803_06.9B18.C14
Gene No.	3940	Strand	-
Start	11765	End	12015
Name	OJ990803_06.9B18.C14.o2.tw	Method	TBLASTX:Wheat
Start	7974	End	8496
GI	none	Score	68
Exons	7974..8045, 8145..8327, 8152..8277, 8416..8496		

Seq. No.	1892	Seq. ID	OJ990803_06.9B18.C14
Gene No.	3940	Strand	-
Start	11765	End	12015
Name	OJ990803_06.9B18.C14.o1.tw	Method	TBLASTX:Wheat
Start	9965	End	10368
GI	none	Score	84
Exons	9965..10135, 10098..10265, 10130..10366, 10187..10366, 10228..10368, 10258..10368		

Seq. No.	1892	Seq. ID	OJ990803_06.9B18.C14
Gene No.	3940	Strand	-
Start	11765	End	12015
Name	OJ990803_06.9B18.C14.o3.np	Method	AAT/NAP
Start	11765	End	12015

GI	862343	Score	158
Exons	11765..12015		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi 1092097 prf 2022314A granule cell marker protein [Mus musculus] gi 1092098 prf 2022315A granule cell marker protein [Mus musculus]		

Seq. No.	1893	Seq. ID	OJ990803_06.9B18.C15
Gene No.	3941	Strand	-
Start	22	End	1518
Name	OJ990803_06.9B18.C15.o1.gp	Method	AAT/GAP
Start	22	End	1518
GI	342_1.R1084	Score	2197
Exons	22..537, 647..751, 870..1518		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	1893	Seq. ID	OJ990803_06.9B18.C15
Gene No.	3941	Strand	-
Start	22	End	1518
Name	OJ990803_06.9B18.C15.o3.gp	Method	AAT/GAP
Start	200	End	1518
GI	342_1.R1084	Score	1880
Exons	200..537, 647..751, 870..1518		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	1893	Seq. ID	OJ990803_06.9B18.C15
Gene No.	3941	Strand	-
Start	22	End	1518
Name	OJ990803_06.9B18.C15.o1.gs	Method	GENSCAN
Start	954	End	1499
GI	none	Score	1
Exons	954..1499		

Seq. No.	1893	Seq. ID	OJ990803_06.9B18.C15
Gene No.	3941	Strand	-
Start	22	End	1518
Name	OJ990803_06.9B18.C15.o1.np	Method	AAT/NAP
Start	975	End	1518
GI	4680203	Score	516
Exons	975..1518		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	1893	Seq. ID	OJ990803_06.9B18.C15
Gene No.	3941	Strand	-
Start	22	End	1518
Name	OJ990803_06.9B18.C15.o1.tw	Method	TBLASTX:Wheat
Start	1029	End	1518
GI	none	Score	52
Exons	1029..1121, 1030..1095, 1110..1190, 1195..1275, 1203..1343, 1204..1344, 1291..1386, 1323..1382, 1389..1433, 1394..1429, 1428..1517, 1443..1517, 1444..1518		

Seq. No.	1894	Seq. ID	OJ990823_07.9B10.C1
Gene No.	3942	Strand	+
Start	1	End	157

Name	OJ990823_07.9B10.C1.o1.np	Method	AAT/NAP
Start	1	End	157
GI	5091620	Score	144
Exons	1..157		
GI Descrip.	(AC007454) Contains similarity to gi 836774 FAB1 protein from Saccharomyces cerevisiae genome gb D50617. [Arabidopsis thaliana]		

Seq. No.	1894	Seq. ID	OJ990823_07.9B10.C1
Gene No.	3943	Strand	+
Start	97	End	556
Name	OJ990823_07.9B10.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	143
GI	none	Score	217
Exons	1..141, 2..142, 3..143		

Seq. No.	1894	Seq. ID	OJ990823_07.9B10.C1
Gene No.	3943	Strand	+
Start	97	End	556
Name	OJ990823_07.9B10.C1.o1.ts	Method	TBLASTX:Soybean
Start	1	End	138
GI	none	Score	178
Exons	1..138, 2..133		

Seq. No.	1894	Seq. ID	OJ990823_07.9B10.C1
Gene No.	3943	Strand	+
Start	97	End	556
Name	OJ990823_07.9B10.C1.o1.gp	Method	AAT/GAP
Start	97	End	556
GI	2311449	Score	862
Exons	97..556		

Seq. No.	1895	Seq. ID	OJ990823_07.9B10.C2
Gene No.	3944	Strand	+
Start	1	End	1880
Name	OJ990823_07.9B10.C2.o1.np	Method	AAT/NAP
Start	1	End	1880
GI	2191159	Score	106
Exons	1..474, 1851..1880		
GI Descrip.	(AF007270) Similar to serine hydroxymethyltransferase; coded for by A. thaliana cDNA T42313; coded for by A. thaliana cDNA W43384 [Arabidopsis thaliana]		

Seq. No.	1895	Seq. ID	OJ990823_07.9B10.C2
Gene No.	3945	Strand	+
Start	12179	End	15127
Name	OJ990823_07.9B10.C2.o3.gs	Method	GENSCAN
Start	12179	End	15127
GI	none	Score	.78
Exons	12179..12529, 12610..12685, 13320..13370, 13719..13924, 14021..14107, 14163..14288, 14668..14849, 14993..15127		

Seq. No.	1895	Seq. ID	OJ990823_07.9B10.C2
Gene No.	3946	Strand	+
Start	15150	End	15210
Name	OJ990823_07.9B10.C2.o2.gp	Method	AAT/GAP
Start	15150	End	15210

GI	none	Score	122
Exons	15150..15210		
Seq. No.	1895	Seq. ID	OJ990823_07.9B10.C2
Gene No.	3947	Strand	-
Start	163	End	605
Name	OJ990823_07.9B10.C2.o2.tm	Method	TBLASTX:Maize
Start	1	End	454
GI	none	Score	55
Exons	1..42, 2..88, 22..120, 26..178, 38..169, 43..177, 79..183, 200..340, 220..351, 221..352, 222..350, 376..453, 381..413, 413..454		
Seq. No.	1895	Seq. ID	OJ990823_07.9B10.C2
Gene No.	3947	Strand	-
Start	163	End	605
Name	OJ990823_07.9B10.C2.o1.ts	Method	TBLASTX:Soybean
Start	26	End	450
GI	none	Score	76
Exons	26..91, 43..96, 144..176, 146..190, 219..350, 220..351, 381..413, 391..450, 413..448		
Seq. No.	1895	Seq. ID	OJ990823_07.9B10.C2
Gene No.	3947	Strand	-
Start	163	End	605
Name	OJ990823_07.9B10.C2.o1.tw	Method	TBLASTX:Wheat
Start	142	End	448
GI	none	Score	41
Exons	142..183, 145..189, 219..350, 220..351, 222..362, 376..447, 381..413, 413..448		
Seq. No.	1895	Seq. ID	OJ990823_07.9B10.C2
Gene No.	3947	Strand	-
Start	163	End	605
Name	OJ990823_07.9B10.C2.o1.tc	Method	TBLASTX:Cress
Start	154	End	448
GI	none	Score	42
Exons	154..189, 219..377, 220..351, 381..413, 413..448		
Seq. No.	1895	Seq. ID	OJ990823_07.9B10.C2
Gene No.	3947	Strand	-
Start	163	End	605
Name	OJ990823_07.9B10.C2.o1.gp	Method	AAT/GAP
Start	163	End	605
GI	none	Score	813
Exons	163..605		
Seq. No.	1895	Seq. ID	OJ990823_07.9B10.C2
Gene No.	3948	Strand	-
Start	5376	End	5798
Name	OJ990823_07.9B10.C2.o3.tm	Method	TBLASTX:Maize
Start	5376	End	5798
GI	none	Score	62
Exons	5376..5552, 5649..5756, 5649..5798		
Seq. No.	1895	Seq. ID	OJ990823_07.9B10.C2
Gene No.	3949	Strand	-

Start	12410	End	14774
Name	OJ990823_07.9B10.C2.o2.tc	Method	TBLASTX:Cress
Start	12410	End	13935
GI	none	Score	56
Exons	12410..12463, 12485..12529, 12604..12690, 13714..13767, 13718..13756, 13784..13933, 13786..13935		

Seq. No.	1895	Seq. ID	OJ990823_07.9B10.C2
Gene No.	3949	Strand	
Start	12410	End	14774
Name	OJ990823_07.9B10.C2.o1.tm	Method	TBLASTX:Maize
Start	12646	End	14774
GI	none	Score	64
Exons	12646..12690, 13714..13965, 13718..13933, 14014..14121, 14015..14122, 14018..14128, 14020..14127, 14175..14318, 14193..14291, 14195..14311, 14683..14763, 14691..14774, 14692..14772		

Seq. No.	1896	Seq. ID	OJ990823_07.9B10.C3
Gene No.	3950	Strand	+
Start	1	End	2817
Name	OJ990823_07.9B10.C3.o1.gp	Method	AAT/GAP
Start	1	End	2817
GI	none	Score	771
Exons	1..60, 847..948, 1043..1212, 1325..1423, 2795..2817		

Seq. No.	1896	Seq. ID	OJ990823_07.9B10.C3
Gene No.	3950	Strand	+
Start	1	End	2817
Name	OJ990823_07.9B10.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	1213
GI	none	Score	110
Exons	1..66, 2..73, 3..65, 847..951, 847..948, 1042..1212, 1043..1213		

Seq. No.	1896	Seq. ID	OJ990823_07.9B10.C3
Gene No.	3950	Strand	+
Start	1	End	2817
Name	OJ990823_07.9B10.C3.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1210
GI	none	Score	77
Exons	1..66, 847..954, 1042..1209, 1043..1210		

Seq. No.	1897	Seq. ID	OJ990823_07.9B10.C4
Gene No.	3951	Strand	+
Start	556	End	934
Name	OJ990823_07.9B10.C4.o1.gp	Method	AAT/GAP
Start	556	End	934
GI	none	Score	700
Exons	556..934		

Seq. No.	1897	Seq. ID	OJ990823_07.9B10.C4
Gene No.	3952	Strand	+
Start	3724	End	4265
Name	OJ990823_07.9B10.C4.o2.gp	Method	AAT/GAP
Start	3724	End	4265
GI	2799958	Score	896
Exons	3724..4265		

Seq. No. 1897
 Gene No. 3953
 Start 12469
 Name OJ990823_07.9B10.C4.o4.gs
 Start 12469
 GI none
 Exons 12469..12597

Seq. ID OJ990823_07.9B10.C4
 Strand +
 End 12597
 Method GENSCAN
 End 12597
 Score .76

Seq. No. 1897
 Gene No. 3954
 Start 7839
 Name OJ990823_07.9B10.C4.o2.gs
 Start 7839
 GI none
 Exons 7839..8066

Seq. ID OJ990823_07.9B10.C4
 Strand -
 End 8066
 Method GENSCAN
 End 8066
 Score .86

Seq. No. 1897
 Gene No. 3955
 Start 8541
 Name OJ990823_07.9B10.C4.o3.gs
 Start 8541
 GI none
 Exons 8541..8873, 9001..9183, 10305..10498, 11165..11246

Seq. ID OJ990823_07.9B10.C4
 Strand -
 End 11246
 Method GENSCAN
 End 11246
 Score .57

Seq. No. 1898
 Gene No. 3956
 Start 588
 Name OJ990823_07.9B10.C5.o1.gs
 Start 588
 GI none
 Exons 588..749, 1243..1335

Seq. ID OJ990823_07.9B10.C5
 Strand -
 End 1335
 Method GENSCAN
 End 1335
 Score .87

Seq. No. 1899
 Gene No. 3957
 Start 226
 Name OJ990823_07.9B10.C6.o1.gs
 Start 226
 GI none
 Exons 226..368, 467..608, 759..962, 1714..1814, 2006..2175, 3098..3185

Seq. ID OJ990823_07.9B10.C6
 Strand +
 End 3185
 Method GENSCAN
 End 3185
 Score .55

Seq. No. 1899
 Gene No. 3958
 Start 3601
 Name OJ990823_07.9B10.C6.o2.gs
 Start 3601
 GI none
 Exons 3601..3653, 3728..3931, 3983..4073, 4079..4267, 5677..5766

Seq. ID OJ990823_07.9B10.C6
 Strand +
 End 5766
 Method GENSCAN
 End 5766
 Score .89

Seq. No. 1899
 Gene No. 3959
 Start 678
 Name OJ990823_07.9B10.C6.o1.gp
 Start 678
 GI 2309703
 Exons 678..988

Seq. ID OJ990823_07.9B10.C6
 Strand -
 End 988
 Method AAT/GAP
 End 988
 Score 622

Seq. No.	1900	Seq. ID	OJ990823_07.9B10.C7
Gene No.	3960	Strand	+
Start	2714	End	8266
Name	OJ990823_07.9B10.C7.o1.np	Method	AAT/NAP
Start	2714	End	8266
GI	6063554	Score	201
Exons	2714..2750, 6883..7101, 7745..7776, 8093..8266		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1900	Seq. ID	OJ990823_07.9B10.C7
Gene No.	3961	Strand	+
Start	8950	End	11256
Name	OJ990823_07.9B10.C7.o3.gs	Method	GENSCAN
Start	8950	End	11256
GI	none	Score	.61
Exons	8950..9075, 10588..11256		

Seq. No.	1900	Seq. ID	OJ990823_07.9B10.C7
Gene No.	3962	Strand	-
Start	3772	End	8018
Name	OJ990823_07.9B10.C7.o2.gs	Method	GENSCAN
Start	3772	End	8018
GI	none	Score	.82
Exons	3772..3972, 4686..5120, 5215..5661, 6816..7008, 7037..7245, 7998..8018		

Seq. No.	1900	Seq. ID	OJ990823_07.9B10.C7
Gene No.	3963	Strand	-
Start	13361	End	16937
Name	OJ990823_07.9B10.C7.o1.tm	Method	TBLASTX:Maize
Start	12066	End	12992
GI	none	Score	666
Exons	12066..12992, 12113..12247, 12383..12490, 12513..12872, 12719..12895		

Seq. No.	1900	Seq. ID	OJ990823_07.9B10.C7
Gene No.	3963	Strand	-
Start	13361	End	16937
Name	OJ990823_07.9B10.C7.o2.tw	Method	TBLASTX:Wheat
Start	12078	End	12332
GI	none	Score	294
Exons	12078..12332, 12081..12287, 12100..12288, 12104..12298		

Seq. No.	1900	Seq. ID	OJ990823_07.9B10.C7
Gene No.	3963	Strand	-
Start	13361	End	16937
Name	OJ990823_07.9B10.C7.o4.tw	Method	TBLASTX:Wheat
Start	12371	End	12740
GI	none	Score	126
Exons	12371..12511, 12372..12506, 12516..12668, 12660..12740		

Seq. No.	1900	Seq. ID	OJ990823_07.9B10.C7
Gene No.	3963	Strand	-
Start	13361	End	16937
Name	OJ990823_07.9B10.C7.o1.ts	Method	TBLASTX:Soybean

Start	12597	End	13124
GI	none	Score	57
Exons	12597..12656, 12723..12950, 12779..12943, 12939..13124		

Seq. No.	1900	Seq. ID	OJ990823_07.9B10.C7
Gene No.	3963	Strand	-
Start	13361	End	16937
Name	OJ990823_07.9B10.C7.o3.tw	Method	TBLASTX:Wheat
Start	12746	End	13607
GI	none	Score	240
Exons	12746..13120, 12747..13121, 12879..13124, 13122..13154, 13509..13607		

Seq. No.	1900	Seq. ID	OJ990823_07.9B10.C7
Gene No.	3963	Strand	-
Start	13361	End	16937
Name	OJ990823_07.9B10.C7.o4.gs	Method	GENSCAN
Start	13361	End	16937
GI	none	Score	.74
Exons	13361..13526, 14893..14982, 16474..16937		

Seq. No.	1900	Seq. ID	OJ990823_07.9B10.C7
Gene No.	3963	Strand	-
Start	13361	End	16937
Name	OJ990823_07.9B10.C7.o2.tm	Method	TBLASTX:Maize
Start	13509	End	13962
GI	none	Score	100
Exons	13509..13607, 13512..13607, 13605..13868, 13609..13875, 13906..13962, 13911..13949		

Seq. No.	1900	Seq. ID	OJ990823_07.9B10.C7
Gene No.	3963	Strand	-
Start	13361	End	16937
Name	OJ990823_07.9B10.C7.o1.tw	Method	TBLASTX:Wheat
Start	13705	End	14073
GI	none	Score	230
Exons	13705..13965, 13818..13952, 13933..13968, 13964..14071, 13969..14073		

Seq. No.	1900	Seq. ID	OJ990823_07.9B10.C7
Gene No.	3963	Strand	-
Start	13361	End	16937
Name	OJ990823_07.9B10.C7.o3.tm	Method	TBLASTX:Maize
Start	13972	End	14260
GI	none	Score	164
Exons	13972..14094, 13973..14122, 13982..14128, 14129..14188, 14186..14260		

Seq. No.	1901	Seq. ID	OJ990823_07.9B10.C8
Gene No.	3964	Strand	+
Start	2074	End	2446
Name	OJ990823_07.9B10.C8.o1.np	Method	AAT/NAP
Start	2074	End	2446
GI	4680207	Score	169
Exons	2074..2446		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	1902	Seq. ID	OJ990823_07.9B10.C9
Gene No.	3965	Strand	+
Start	1	End	3332
Name	OJ990823_07.9B10.C9.o1.np	Method	AAT/NAP
Start	1	End	3332
GI	4680207	Score	554
Exons	1..33, 538..1468, 1505..2301, 3248..3332		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	1902	Seq. ID	OJ990823_07.9B10.C9
Gene No.	3965	Strand	+
Start	1	End	3332
Name	OJ990823_07.9B10.C9.o1.tc	Method	TBLASTX:Cress
Start	454	End	1200
GI	none	Score	75
Exons	454..567, 694..786, 793..1029, 1117..1200		

Seq. No.	1902	Seq. ID	OJ990823_07.9B10.C9
Gene No.	3965	Strand	+
Start	1	End	3332
Name	OJ990823_07.9B10.C9.o1.ts	Method	TBLASTX:Soybean
Start	454	End	1194
GI	none	Score	93
Exons	454..576, 639..761, 682..771, 865..1005, 865..1005, 1036..1194, 1048..1083		

Seq. No.	1902	Seq. ID	OJ990823_07.9B10.C9
Gene No.	3965	Strand	+
Start	1	End	3332
Name	OJ990823_07.9B10.C9.o1.tw	Method	TBLASTX:Wheat
Start	696	End	996
GI	none	Score	96
Exons	696..764, 700..771, 871..996		

Seq. No.	1902	Seq. ID	OJ990823_07.9B10.C9
Gene No.	3965	Strand	+
Start	1	End	3332
Name	OJ990823_07.9B10.C9.o1.tm	Method	TBLASTX:Maize
Start	700	End	1188
GI	none	Score	86
Exons	700..771, 859..1005, 897..1004, 1036..1188, 1036..1182		

Seq. No.	1903	Seq. ID	OJ990823_07.9B10.C10
Gene No.	3966	Strand	+
Start	140	End	6773
Name	OJ990823_07.9B10.C10.o1.np	Method	AAT/NAP
Start	140	End	6773
GI	2388986	Score	75
Exons	140..167, 703..859, 2598..2659, 3484..4055, 6742..6773		
GI Descrip.	(Z98980) wiskott-aldrich syndrome protein homolog 1 [Schizosaccharomyces pombe]		

Seq. No.	1903	Seq. ID	OJ990823_07.9B10.C10
Gene No.	3966	Strand	+
Start	140	End	6773

Name	OJ990823_07.9B10.C10.o2.gs	Method	GENSCAN
Start	3233	End	3889
GI	none	Score	.61
Exons	3233..3508, 3773..3889		
Seq. No.	1903	Seq. ID	OJ990823_07.9B10.C10
Gene No.	3967	Strand	-
Start	4959	End	6727
Name	OJ990823_07.9B10.C10.o3.gs	Method	GENSCAN
Start	4959	End	6727
GI	none	Score	.72
Exons	4959..5093, 5426..5641, 5870..5954, 6535..6727		
Seq. No.	1904	Seq. ID	OJ990823_07.9B10.C11
Gene No.	3968	Strand	-
Start	1	End	1307
Name	OJ990823_07.9B10.C11.o1.np	Method	AAT/NAP
Start	1	End	1307
GI	3063697	Score	323
Exons	1..131, 730..858, 1233..1307		
GI Descrip.	(AL022537) putative myb-protein (partial) [Arabidopsis thaliana]		
Seq. No.	1904	Seq. ID	OJ990823_07.9B10.C11
Gene No.	3968	Strand	-
Start	1	End	1307
Name	OJ990823_07.9B10.C11.o1.tc	Method	TBLASTX:Cress
Start	29	End	864
GI	none	Score	89
Exons	29..133, 718..858, 725..859, 729..860, 729..860, 730..864		
Seq. No.	1904	Seq. ID	OJ990823_07.9B10.C11
Gene No.	3968	Strand	-
Start	1	End	1307
Name	OJ990823_07.9B10.C11.o1.ts	Method	TBLASTX:Soybean
Start	44	End	1262
GI	none	Score	122
Exons	44..133, 729..899, 729..764, 729..860, 768..860, 769..861, 1230..1262		
Seq. No.	1905	Seq. ID	OJ990823_07.9B10.C13
Gene No.	3969	Strand	-
Start	1	End	1101
Name	OJ990823_07.9B10.C13.o1.np	Method	AAT/NAP
Start	1	End	1043
GI	6912248	Score	304
Exons	1..327, 427..505, 707..845, 940..1043		
GI Descrip.	aspartyl aminopeptidase gi 5902181 gb AAD01211.2 (AF005050) aspartyl aminopeptidase [Homo sapiens]		
Seq. No.	1905	Seq. ID	OJ990823_07.9B10.C13
Gene No.	3969	Strand	-
Start	1	End	1101
Name	OJ990823_07.9B10.C13.o1.tm	Method	TBLASTX:Maize
Start	187	End	769
GI	none	Score	195
Exons	187..333, 188..328, 191..340, 193..384, 249..347, 425..505, 425..499, 426..500, 460..507, 664..768, 692..769		

Seq. No.	1905	Seq. ID	OJ990823_07.9B10.C13
Gene No.	3969	Strand	-
Start	1	End	1101
Name	OJ990823_07.9B10.C13.o1.ts	Method	TBLASTX:Soybean
Start	187	End	977
GI	none	Score	118
Exons	187..321, 187..333, 188..334, 206..340, 424..504, 425..505, 425..499, 460..507, 664..777, 704..778, 782..847, 784..846, 941..976, 942..977		

Seq. No.	1905	Seq. ID	OJ990823_07.9B10.C13
Gene No.	3969	Strand	-
Start	1	End	1101
Name	OJ990823_07.9B10.C13.o1.tc	Method	TBLASTX:Cress
Start	232	End	976
GI	none	Score	101
Exons	232..333, 239..325, 244..330, 428..508, 428..469, 460..507, 664..777, 704..778, 784..846, 941..976		

Seq. No.	1905	Seq. ID	OJ990823_07.9B10.C13
Gene No.	3969	Strand	-
Start	1	End	1101
Name	OJ990823_07.9B10.C13.o1.gp	Method	AAT/GAP
Start	244	End	1067
GI	60790_1.R1084	Score	708
Exons	244..327, 427..505, 707..845, 940..1067		
GI Descrip.	'5902181/gb AAD01211.2 1.0e-12 (AF005050) aspartyl aminopeptidase [Homo sapiens]'		

Seq. No.	1905	Seq. ID	OJ990823_07.9B10.C13
Gene No.	3969	Strand	-
Start	1	End	1101
Name	OJ990823_07.9B10.C13.o1.gs	Method	GENSCAN
Start	703	End	1101
GI	none	Score	.75
Exons	703..1101		

Seq. No.	1906	Seq. ID	OJ990823_07.9B10.C14
Gene No.	3970	Strand	+
Start	722	End	859
Name	OJ990823_07.9B10.C14.o1.gs	Method	GENSCAN
Start	722	End	859
GI	none	Score	.54
Exons	722..859		

Seq. No.	1906	Seq. ID	OJ990823_07.9B10.C14
Gene No.	3971	Strand	-
Start	54	End	205
Name	OJ990823_07.9B10.C14.o1.np	Method	AAT/NAP
Start	54	End	205
GI	5042462	Score	104
Exons	54..125, 154..205		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	1906	Seq. ID	OJ990823_07.9B10.C14
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Gene No.	3972	Strand	-
Start	2251	End	2379
Name	OJ990823_07.9B10.C14.o2.gs	Method	GENSCAN
Start	2251	End	2379
GI	none	Score	.95
Exons	2251..2379		

Seq. No.	1907	Seq. ID	OJ990823_07.9B10.C16
Gene No.	3973	Strand	+
Start	1515	End	3554
Name	OJ990823_07.9B10.C16.o1.gs	Method	GENSCAN
Start	1515	End	2636
GI	none	Score	.99
Exons	1515..2636		

Seq. No.	1907	Seq. ID	OJ990823_07.9B10.C16
Gene No.	3973	Strand	+
Start	1515	End	3554
Name	OJ990823_07.9B10.C16.o1.np	Method	AAT/NAP
Start	2138	End	3554
GI	5430765	Score	369
Exons	2138..2597, 3519..3554		
GI Descrip.	(AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	1908	Seq. ID	OJ990823_07.9B10.C17
Gene No.	3974	Strand	-
Start	565	End	1053
Name	OJ990823_07.9B10.C17.o1.gp	Method	AAT/GAP
Start	565	End	1053
GI	none	Score	962
Exons	565..1053		

Seq. No.	1908	Seq. ID	OJ990823_07.9B10.C17
Gene No.	3975	Strand	-
Start	4911	End	6719
Name	OJ990823_07.9B10.C17.o1.np	Method	AAT/NAP
Start	4911	End	6719
GI	100488	Score	1063
Exons	4911..5015, 5203..6418, 6455..6719		
GI Descrip.	TNP2 protein - garden snapdragon		

Seq. No.	1908	Seq. ID	OJ990823_07.9B10.C17
Gene No.	3975	Strand	-
Start	4911	End	6719
Name	OJ990823_07.9B10.C17.o2.ts	Method	TBLASTX:Soybean
Start	5269	End	5506
GI	none	Score	106
Exons	5269..5502, 5324..5506		

Seq. No.	1908	Seq. ID	OJ990823_07.9B10.C17
Gene No.	3975	Strand	-
Start	4911	End	6719
Name	OJ990823_07.9B10.C17.o1.tm	Method	TBLASTX:Maize
Start	5338	End	5736
GI	none	Score	98
Exons	5338..5505, 5339..5509, 5339..5515, 5511..5684, 5518..5736, 5519..5731, 5608..5733		

Seq. No.	1908	Seq. ID	OJ990823_07.9B10.C17
Gene No.	3975	Strand	-
Start	4911	End	6719
Name	OJ990823_07.9B10.C17.o1.tw	Method	TBLASTX:Wheat
Start	5516	End	5787
GI	none	Score	148
Exons	5516..5785, 5518..5787		

Seq. No.	1908	Seq. ID	OJ990823_07.9B10.C17
Gene No.	3975	Strand	-
Start	4911	End	6719
Name	OJ990823_07.9B10.C17.o1.tc	Method	TBLASTX:Cress
Start	5578	End	5895
GI	none	Score	76
Exons	5578..5895, 5585..5734, 5771..5890		

Seq. No.	1908	Seq. ID	OJ990823_07.9B10.C17
Gene No.	3975	Strand	-
Start	4911	End	6719
Name	OJ990823_07.9B10.C17.o1.ts	Method	TBLASTX:Soybean
Start	5659	End	6072
GI	none	Score	99
Exons	5659..5889, 5962..6072		

Seq. No.	1908	Seq. ID	OJ990823_07.9B10.C17
Gene No.	3975	Strand	-
Start	4911	End	6719
Name	OJ990823_07.9B10.C17.o2.tw	Method	TBLASTX:Wheat
Start	5809	End	6323
GI	none	Score	44
Exons	5809..5889, 5962..6129, 6240..6323		

Seq. No.	1909	Seq. ID	OJ990823_07.9B10.C18
Gene No.	3976	Strand	-
Start	429	End	2691
Name	OJ990823_07.9B10.C18.o1.gs	Method	GENSCAN
Start	429	End	2690
GI	none	Score	.54
Exons	429..518, 1863..2035, 2246..2690		

Seq. No.	1909	Seq. ID	OJ990823_07.9B10.C18
Gene No.	3976	Strand	-
Start	429	End	2691
Name	OJ990823_07.9B10.C18.o1.np	Method	AAT/NAP
Start	1781	End	2691
GI	4680203	Score	701
Exons	1781..2691		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	1909	Seq. ID	OJ990823_07.9B10.C18
Gene No.	3976	Strand	-
Start	429	End	2691
Name	OJ990823_07.9B10.C18.o1.ts	Method	TBLASTX:Soybean
Start	1911	End	2285
GI	none	Score	64
Exons	1911..1976, 1983..2066, 1990..2064, 2075..2173, 2100..2174,		

2241..2285

Seq. No.	1909	Seq. ID	OJ990823_07.9B10.C18
Gene No.	3976	Strand	-
Start	429	End	2691
Name	OJ990823_07.9B10.C18.o1.tw	Method	TBLASTX:Wheat
Start	1968	End	2354
GI	none	Score	75
Exons	1968..2057, 1983..2066, 1984..2067, 2067..2162, 2178..2255, 2181..2264, 2182..2256, 2247..2354		

Seq. No.	1910	Seq. ID	OJ990823_07.9B10.C19
Gene No.	3977	Strand	+
Start	1	End	7242
Name	OJ990823_07.9B10.C19.o1.np	Method	AAT/NAP
Start	1	End	3616
GI	2191187	Score	78
Exons	1..28, 1160..1446, 3578..3616		
GI Descrip.	(AF007271) contains similarity to a DNAJ-like domain [Arabidopsis thaliana]		

Seq. No.	1910	Seq. ID	OJ990823_07.9B10.C19
Gene No.	3977	Strand	+
Start	1	End	7242
Name	OJ990823_07.9B10.C19.o1.gs	Method	GENSCAN
Start	517	End	7238
GI	none	Score	.77
Exons	517..710, 1418..1427, 2183..2258, 2355..2872, 2977..3048, 3079..3242, 3311..3369, 3838..4114, 5176..5314, 5536..6544, 6645..6789, 7089..7238		

Seq. No.	1910	Seq. ID	OJ990823_07.9B10.C19
Gene No.	3977	Strand	+
Start	1	End	7242
Name	OJ990823_07.9B10.C19.o1.tm	Method	TBLASTX:Maize
Start	1099	End	1479
GI	none	Score	483
Exons	1099..1449, 1100..1357, 1105..1362, 1110..1448, 1191..1460, 1387..1479		

Seq. No.	1910	Seq. ID	OJ990823_07.9B10.C19
Gene No.	3977	Strand	+
Start	1	End	7242
Name	OJ990823_07.9B10.C19.o2.np	Method	AAT/NAP
Start	4664	End	7242
GI	5091620	Score	397
Exons	4664..4694, 6141..6537, 6638..6816, 6905..7242		
GI Descrip.	(AC007454) Contains similarity to gi 836774 FAB1 protein from Saccharomyces cerevisiae genome gb D50617. [Arabidopsis thaliana]		

Seq. No.	1910	Seq. ID	OJ990823_07.9B10.C19
Gene No.	3977	Strand	+
Start	1	End	7242
Name	OJ990823_07.9B10.C19.o2.tm	Method	TBLASTX:Maize
Start	6276	End	6686
GI	none	Score	160

Exons 6276..6467, 6444..6530, 6654..6686

Seq. No.	1911	Seq. ID	OJ990823_07.9B10.C20
Gene No.	3978	Strand	+
Start	1	End	698
Name	OJ990823_07.9B10.C20.o1.np	Method	AAT/NAP
Start	1	End	698
GI	5902400	Score	278
Exons	1..37, 170..315, 398..698		
GI Descrip.	(AC008148) Unknown protein [Arabidopsis thaliana]		

Seq. No.	1911	Seq. ID	OJ990823_07.9B10.C20
Gene No.	3978	Strand	+
Start	1	End	698
Name	OJ990823_07.9B10.C20.o1.gs	Method	GENSCAN
Start	7	End	515
GI	none	Score	.69
Exons	7..315, 398..515		

Seq. No.	1911	Seq. ID	OJ990823_07.9B10.C20
Gene No.	3978	Strand	+
Start	1	End	698
Name	OJ990823_07.9B10.C20.o1.tm	Method	TBLASTX:Maize
Start	393	End	698
GI	none	Score	186
Exons	393..560, 394..561, 413..562, 605..697, 606..698		

Seq. No.	1911	Seq. ID	OJ990823_07.9B10.C20
Gene No.	3978	Strand	+
Start	1	End	698
Name	OJ990823_07.9B10.C20.o1.tc	Method	TBLASTX:Cress
Start	395	End	698
GI	none	Score	98
Exons	395..496, 406..504, 509..562, 608..697, 609..698		

Seq. No.	1911	Seq. ID	OJ990823_07.9B10.C20
Gene No.	3978	Strand	+
Start	1	End	698
Name	OJ990823_07.9B10.C20.o1.ts	Method	TBLASTX:Soybean
Start	406	End	698
GI	none	Score	92
Exons	406..501, 407..496, 503..562, 529..561, 609..698, 617..697		

Seq. No.	1912	Seq. ID	OJ990823_07.9B10.C21
Gene No.	3979	Strand	+
Start	1	End	574
Name	OJ990823_07.9B10.C21.o1.np	Method	AAT/NAP
Start	1	End	574
GI	461503	Score	419
Exons	1..574		
GI Descrip.	ALS OPERON REGULATORY PROTEIN gi 538919 pir A47126 alsSD operon activator - Bacillus subtilis gi 142469 (L04470) als operom regulatory protein [Bacillus subtilis] gi 1929339 emb CAB07788.1 (Z93767) transcriptional regulatory protein of the acetolactate operon, AlsR [Bacillus subtilis] gi 2636127 emb CAB15619.1 (Z99122) transcriptional regulator (LysR family) [Bac		

Seq. No.	1912	Seq. ID	OJ990823_07.9B10.C21
Gene No.	3979	Strand	+
Start	1	End	574
Name	OJ990823_07.9B10.C21.o1.gs	Method	GENSCAN
Start	3	End	539
GI	none	Score	1
Exons	3..539		
Seq. No.	1913	Seq. ID	OJ990823_07.9B10.C22
Gene No.	3980	Strand	-
Start	1	End	356
Name	OJ990823_07.9B10.C22.o1.gp	Method	AAT/GAP
Start	1	End	356
GI	29667_1.R1084	Score	696
Exons	1..356		
GI Descrip.	'4455338/emb CAB36798.1 5.0e-13 (AL035525) putative protein [Arabidopsis thaliana]'		
Seq. No.	1914	Seq. ID	OJ990823_07.9B10.C23
Gene No.	3981	Strand	+
Start	4	End	604
Name	OJ990823_07.9B10.C23.o1.gs	Method	GENSCAN
Start	4	End	604
GI	none	Score	.77
Exons	4..604		
Seq. No.	1915	Seq. ID	OJ990823_07.9B10.C24
Gene No.	3982	Strand	+
Start	65	End	300
Name	OJ990823_07.9B10.C24.o1.gs	Method	GENSCAN
Start	65	End	300
GI	none	Score	.56
Exons	65..300		
Seq. No.	1916	Seq. ID	OJ990803_07.9B19.C2
Gene No.	3983	Strand	-
Start	472	End	663
Name	OJ990803_07.9B19.C2.o1.np	Method	AAT/NAP
Start	472	End	663
GI	4097575	Score	177
Exons	472..663		
GI Descrip.	(U64913) NTFP1 [Nicotiana tabacum]		
Seq. No.	1916	Seq. ID	OJ990803_07.9B19.C2
Gene No.	3983	Strand	-
Start	472	End	663
Name	OJ990803_07.9B19.C2.o1.tm	Method	TBLASTX:Maize
Start	517	End	663
GI	none	Score	101
Exons	517..630, 518..631, 606..662, 607..663, 611..661		
Seq. No.	1916	Seq. ID	OJ990803_07.9B19.C2
Gene No.	3983	Strand	-
Start	472	End	663
Name	OJ990803_07.9B19.C2.o1.gs	Method	GENSCAN
Start	532	End	615

GI	none	Score	.99
Exons	532..615		
Seq. No.	1917	Seq. ID	OJ990803_07.9B19.C3
Gene No.	3984	Strand	-
Start	90	End	4142
Name	OJ990803_07.9B19.C3.ol.gs	Method	GENSCAN
Start	90	End	4142
GI	none	Score	.69
Exons	90..209, 936..1022, 1362..1512, 1687..1748, 1794..1874, 2406..2526, 2732..2894, 2974..3078, 3573..3672, 3780..4142		
Seq. No.	1917	Seq. ID	OJ990803_07.9B19.C3
Gene No.	3985	Strand	-
Start	5108	End	6283
Name	OJ990803_07.9B19.C3.ol.gp	Method	AAT/GAP
Start	4918	End	6283
GI	26540_1.R1084	Score	1203
Exons	4918..5221, 5308..5388, 5806..5886, 5982..6062, 6139..6283		
GI Descrip.	'3327204/dbj BAA31670 4.0e-58 (AB014595) KIAA0695 protein [Homo sapiens]'		
Seq. No.	1917	Seq. ID	OJ990803_07.9B19.C3
Gene No.	3985	Strand	-
Start	5108	End	6283
Name	OJ990803_07.9B19.C3.ol.tm	Method	TBLASTX:Maize
Start	4942	End	6282
GI	none	Score	55
Exons	4942..4995, 4946..5056, 4946..5068, 5049..5216, 5089..5232, 5099..5233, 5105..5233, 5302..5391, 5303..5389, 5308..5391, 5803..5889, 5805..5888, 5978..6064, 5979..6065, 5982..6065, 6136..6282, 6140..6280		
Seq. No.	1917	Seq. ID	OJ990803_07.9B19.C3
Gene No.	3985	Strand	-
Start	5108	End	6283
Name	OJ990803_07.9B19.C3.ol.tc	Method	TBLASTX:Cress
Start	5100	End	6282
GI	none	Score	99
Exons	5100..5222, 5108..5233, 5302..5391, 5303..5386, 5803..5889, 5806..5889, 5970..6050, 5982..6059, 6139..6282, 6140..6274		
Seq. No.	1917	Seq. ID	OJ990803_07.9B19.C3
Gene No.	3985	Strand	-
Start	5108	End	6283
Name	OJ990803_07.9B19.C3.o2.gs	Method	GENSCAN
Start	5108	End	6264
GI	none	Score	.98
Exons	5108..5221, 5308..5388, 5806..5886, 5982..6062, 6139..6264		
Seq. No.	1917	Seq. ID	OJ990803_07.9B19.C3
Gene No.	3985	Strand	-
Start	5108	End	6283
Name	OJ990803_07.9B19.C3.ol.np	Method	AAT/NAP
Start	5111	End	6283
GI	2493910	Score	500
Exons	5111..5221, 5308..5388, 5806..5886, 5982..6062, 6139..6283		

GI Descrip. CULLIN HOMOLOG 4B (CUL-4B) gi|1381150 (U58091) Hs-CUL-4B [Homo sapiens]

Seq. No.	1917	Seq. ID	OJ990803_07.9B19.C3
Gene No.	3985	Strand	-
Start	5108	End	6283
Name	OJ990803_07.9B19.C3.o1.tw	Method	TBLASTX:Wheat
Start	5148	End	6211
GI	none	Score	105
Exons	5148..5222, 5150..5233, 5150..5233, 5302..5391, 5303..5389, 5308..5391, 5310..5402, 5796..5888, 5800..5889, 5803..5889, 5979..6065, 5982..6059, 6139..6210, 6139..6210, 6140..6211		

Seq. No.	1917	Seq. ID	OJ990803_07.9B19.C3
Gene No.	3985	Strand	-
Start	5108	End	6283
Name	OJ990803_07.9B19.C3.o1.ts	Method	TBLASTX:Soybean
Start	5800	End	6282
GI	none	Score	78
Exons	5800..5895, 5803..5889, 5966..6061, 5979..6065, 5982..6065, 6135..6281, 6136..6282, 6140..6280		

Seq. No.	1918	Seq. ID	OJ990803_07.9B19.C4
Gene No.	3986	Strand	-
Start	1	End	2628
Name	OJ990803_07.9B19.C4.o1.np	Method	AAT/NAP
Start	1	End	2628
GI	3687389	Score	1193
Exons	1..139, 344..397, 488..589, 969..1094, 1542..1829, 2028..2150, 2246..2434, 2578..2628		

GI Descrip. (Y16124) putative cullin protein [Lycopersicon esculentum]

Seq. No.	1918	Seq. ID	OJ990803_07.9B19.C4
Gene No.	3986	Strand	-
Start	1	End	2628
Name	OJ990803_07.9B19.C4.o1.tm	Method	TBLASTX:Maize
Start	29	End	2429
GI	none	Score	68
Exons	29..67, 30..140, 32..142, 33..140, 113..142, 342..395, 343..399, 344..397, 344..400, 480..590, 485..619, 964..1098, 969..1100, 1542..1832, 1547..1792, 1549..1830, 1550..1840, 2028..2090, 2029..2091, 2084..2149, 2092..2148, 2094..2156, 2246..2428, 2246..2428, 2250..2429		

Seq. No.	1918	Seq. ID	OJ990803_07.9B19.C4
Gene No.	3986	Strand	-
Start	1	End	2628
Name	OJ990803_07.9B19.C4.o2.ts	Method	TBLASTX:Soybean
Start	30	End	1097
GI	none	Score	163
Exons	30..167, 32..142, 342..434, 344..400, 480..593, 485..619, 969..1097, 973..1095		

Seq. No.	1918	Seq. ID	OJ990803_07.9B19.C4
Gene No.	3986	Strand	-
Start	1	End	2628
Name	OJ990803_07.9B19.C4.o1.gs	Method	GENSCAN

Start	33	End	2426
GI	none	Score	.96
Exons	33..139, 344..397, 488..589, 969..1094, 1542..1829, 2246..2426		

Seq. No.	1918	Seq. ID	OJ990803_07.9B19.C4
Gene No.	3986	Strand	-
Start	1	End	2628
Name	OJ990803_07.9B19.C4.o1.ts	Method	TBLASTX:Soybean
Start	1624	End	2429
GI	none	Score	145
Exons	1624..1830, 1629..1850, 1629..1832, 2026..2151, 2028..2156, 2032..2151, 2108..2152, 2243..2422, 2243..2428, 2247..2429		

Seq. No.	1919	Seq. ID	OJ990803_07.9B19.C5
Gene No.	3987	Strand	-
Start	1	End	2891
Name	OJ990803_07.9B19.C5.o1.np	Method	AAT/NAP
Start	1	End	372
GI	3327204	Score	145
Exons	1..160, 235..372		
GI Descrip.	(AB014595) KIAA0695 protein [Homo sapiens]		

Seq. No.	1919	Seq. ID	OJ990803_07.9B19.C5
Gene No.	3987	Strand	-
Start	1	End	2891
Name	OJ990803_07.9B19.C5.o1.ts	Method	TBLASTX:Soybean
Start	2	End	348
GI	none	Score	131
Exons	2..160, 3..152, 235..348, 239..346		

Seq. No.	1919	Seq. ID	OJ990803_07.9B19.C5
Gene No.	3987	Strand	-
Start	1	End	2891
Name	OJ990803_07.9B19.C5.o1.tm	Method	TBLASTX:Maize
Start	32	End	1533
GI	none	Score	193
Exons	32..160, 33..161, 210..350, 235..351, 239..352, 1468..1500, 1469..1504, 1491..1532, 1504..1533		

Seq. No.	1919	Seq. ID	OJ990803_07.9B19.C5
Gene No.	3987	Strand	-
Start	1	End	2891
Name	OJ990803_07.9B19.C5.o1.gs	Method	GENSCAN
Start	235	End	2891
GI	none	Score	.63
Exons	235..350, 1472..1820, 2692..2745, 2889..2891		

Seq. No.	1920	Seq. ID	OJ990803_07.9B19.C6
Gene No.	3988	Strand	-
Start	626	End	668
Name	OJ990803_07.9B19.C6.o1.gs	Method	GENSCAN
Start	626	End	668
GI	none	Score	.62
Exons	626..668		

Seq. No.	1921	Seq. ID	OJ990803_07.9B19.C7
Gene No.	3989	Strand	-

Start	841	End	2532
Name	OJ990803_07.9B19.C7.o2.gs	Method	GENSCAN
Start	841	End	2532
GI	none	Score	.45
Exons	841..1068, 1942..2008, 2465..2532		

Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3990	Strand	+
Start	1	End	970
Name	OJ990803_07.9B19.C8.o1.np	Method	AAT/NAP
Start	1	End	970
GI	4206789	Score	939
Exons	1..970		
GI Descrip.	(AF112864) syntaxin-related protein At-SYR1 [Arabidopsis thaliana] gi 6671938 gb AAF23198.1 AC016795_11 (AC016795) putative syntaxin [Arabidopsis thaliana]		

Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3990	Strand	+
Start	1	End	970
Name	OJ990803_07.9B19.C8.o1.gs	Method	GENSCAN
Start	28	End	933
GI	none	Score	1
Exons	28..933		

Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3991	Strand	+
Start	5733	End	6057
Name	OJ990803_07.9B19.C8.o3.gp	Method	AAT/GAP
Start	5733	End	6057
GI	uC-osf1M2020116f05a1	Score	650
Exons	5733..6057		
GI Descrip.	'5852172/emb CAB55410.1 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3992	Strand	-
Start	1634	End	1948
Name	OJ990803_07.9B19.C8.o1.gp	Method	AAT/GAP
Start	1634	End	1948
GI	3768009	Score	589
Exons	1634..1948		

Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3993	Strand	-
Start	1860	End	3984
Name	OJ990803_07.9B19.C8.o2.gs	Method	GENSCAN
Start	1860	End	3798
GI	none	Score	.91
Exons	1860..2168, 2262..2426, 3454..3798		

Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3993	Strand	-
Start	1860	End	3984
Name	OJ990803_07.9B19.C8.o2.np	Method	AAT/NAP
Start	1872	End	3738
GI	5306242	Score	503

Exons 1872..2173, 2240..2374, 3468..3738
 GI Descrip. (AC006438) unknown protein [Arabidopsis thaliana]

Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3993	Strand	-
Start	1860	End	3984
Name	OJ990803_07.9B19.C8.o2.gp	Method	AAT/GAP
Start	3602	End	3984
GI	none	Score	726
Exons	3602..3984		

Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3994	Strand	-
Start	4661	End	9562
Name	OJ990803_07.9B19.C8.o1.tc	Method	TBLASTX:Cress
Start	61	End	804
GI	none	Score	818
Exons	61..804, 64..201, 300..647, 421..750, 708..803		

Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3994	Strand	-
Start	4661	End	9562
Name	OJ990803_07.9B19.C8.o3.tw	Method	TBLASTX:Wheat
Start	61	End	192
GI	none	Score	198
Exons	61..192, 64..192		

Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3994	Strand	-
Start	4661	End	9562
Name	OJ990803_07.9B19.C8.o3.tm	Method	TBLASTX:Maize
Start	61	End	312
GI	none	Score	333
Exons	61..312, 64..201		

Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3994	Strand	-
Start	4661	End	9562
Name	OJ990803_07.9B19.C8.o1.ts	Method	TBLASTX:Soybean
Start	61	End	699
GI	none	Score	691
Exons	61..699, 64..201, 300..647, 421..699		

Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3994	Strand	-
Start	4661	End	9562
Name	OJ990803_07.9B19.C8.o2.tm	Method	TBLASTX:Maize
Start	358	End	804
GI	none	Score	416
Exons	358..804, 366..710		

Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3994	Strand	-
Start	4661	End	9562
Name	OJ990803_07.9B19.C8.o1.tw	Method	TBLASTX:Wheat
Start	396	End	777
GI	none	Score	350